

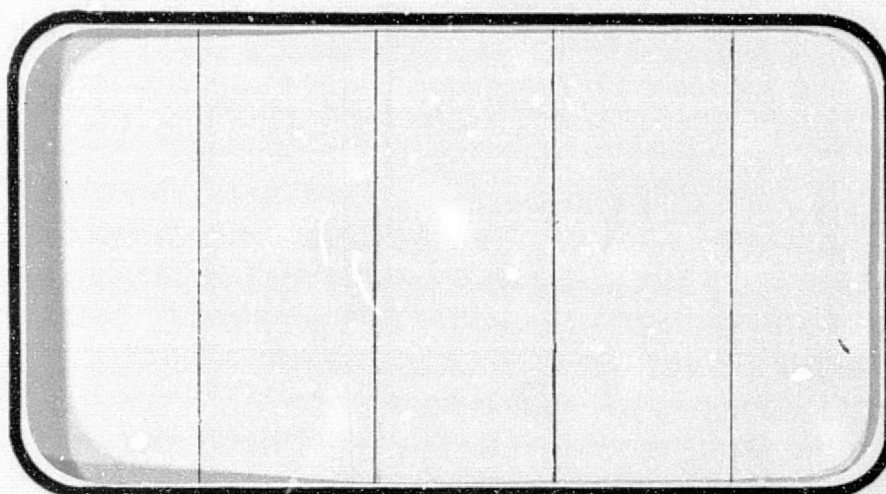
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



(NASA-CF-144607) TRANSONIC-SUPERSONIC HIGH
REYNOLDS NUMBER STABILITY AND CONTROL
CHARACTERISTICS OF A 0.015-SCALE (REMOTELY
CONTROLLED ELEVON) MODEL 44-0 OF THE SPACE
SHUTTLE ORBITER TESTED IN THE VSD HIGH SPEED G3/18

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
CORPORATION

May, 1976

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TRANSONIC-SUPERSONIC HIGH REYNOLDS NUMBER
STABILITY AND CONTROL CHARACTERISTICS OF A
0.015-SCALE (REMOTELY CONTROLLED ELEVON) MODEL
44-0 OF THE SPACE SHUTTLE ORBITER TESTED IN THE
VSD HIGH SPEED WIND TUNNEL (LA67)

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LTV No. 552
NASA Series Number: LA67
Model Number: 44-0
Test Dates: June 23 through July 1, 1975
Occupancy Hours: 82.85

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TRANSONIC-SUPERSONIC HIGH REYNOLDS NUMBER STABILITY AND CONTROL CHARACTERISTICS OF A 0.015-SCALE (REMOTELY CONTROLLED ELEVON) MODEL 44-0 OF THE SPACE SHUTTLE ORBITER TESTED IN THE VSD HIGH SPEED WIND TUNNEL (1A67)

ABSTRACT

The investigation was conducted in the Vought Systems Division (VSD) High Speed Wind Tunnel during the time period from June 23 through July 1, 1975. The model was a Langley-built 0.015-scale SSV orbiter model of a 140C configuration (figure 3) with remote, independently-operated left and right elevon surfaces. The objective of the test was to generate a detailed aerodynamic data base which can be used to substantiate the aerodynamic design data book for the current shuttle orbiter configuration. Special attention was directed to definition of non-linear aerodynamic characteristics by taking data at small increments in angle of attack, angle of sideslip, Mach number, and elevon position.

Six-component aerodynamic force and moment and elevon position data were recorded over an angle-of-attack range from -2° to as high as 32° at angles of sideslip of 0° , 1° , and $\pm 2^{\circ}$.

The test Mach numbers were 0.60, 0.80, 0.90, 1.2, 1.5, 2.0, 3.0, and 4.6. The effects of Reynolds number were investigated and covered a range from 5.0 to 16.0×10^6 per foot.

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SCHEDULES:

- A) CL vs CD: CD, L/D, CLM, CL vs ALPHA: CL vs CLM: CN vs ALPHA: CN vs CLM: XCP/L, CA, CY, CYN, CBL, ELEVON, AILRON vs ALPHA
- B) DCY/DB, DCYNDB, DCBLDB, DLTALR, DLTELV vs ALPHA
- C) CL vs CD: CD, L/D, CLM, CL vs ALPHA: CL vs CLM: CN vs ALPHA: CN vs CLM: XCP/L, CA ELEVON, AILRON vs ALPHA
- D) CN, CLM, XCP/L, CA, CY, CYN, CBL, AILRON, ELEVON vs MACH
- E) DCY/DA, DCYNDA, DCBLDA, DLTALR, DLTELV, DCLMDA vs ALPHA
- F) CLM, XCP/L, CN, CA, CY, CYN, CBL, CL, CD, L/D, AILRON vs ELEVON
- G) CBL, CYN, CY, XCP/L, CN, CLM, CA, CL, CD, L/D, ELEVON vs AILRON

NOMENCLATURE General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l_{REF}}{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE (Continued)
(Additions to Standard List)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
δ_{e_L}	ELVN-L	left elevon surface deflection angle, positive deflection trailing edge down, degrees
δ_{e_R}	ELVN-R	right elevon surface deflection angle, positive deflection trailing edge down, degrees
δ_a	AILRON	aileron deflection angle, $(ELVN-L/2 - ELVN-R/2)$. degrees
δ_e	ELEVON	elevon deflection angle, $(ELVN-L/2 + ELVN-R/2)$. degrees
δ_{BF}	BDFLAP	body flap deflection angle, degrees
δ_{SB}	SPDBRK	speedbrake deflection angle, degrees
δ_r	RUDDER	rudder deflection angle, degrees
x_{cp}/l_B	XCP/L	normal force center-of-pressure over body length
$C_{l_{\delta_a}}$	DCBLDA	rolling moment coefficient derivative with respect to aileron deflection, per degree
$C_{n_{\delta_a}}$	DCYNDA	yawing moment coefficient derivative with respect to aileron deflection, per degree
$C_{y_{\delta_a}}$	DCY/DA	side force coefficient derivative with respect to aileron deflection, per degree
$C_{m_{\delta_a}}$	DCLMDA	pitching moment coefficient derivative with respect to aileron deflection, per degree
$C_{l_{\beta}}$	DCBLDB	rolling moment coefficient derivative with respect to sideslip angle, per degree
$C_{n_{\beta}}$	DCYNDB	yawing moment coefficient derivative with respect to sideslip, per degree
$C_{y_{\beta}}$	DCY/DB	side force coefficient derivative with respect to sideslip, per degree
$C_{m_{\beta}}$	DCLMDB	pitching moment coefficient derivative with respect to sideslip, per degree

NOMENCLATURE - (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{l\delta_R}$	DCBLDR	rolling moment coefficient derivative with respect to rudder deflection, per degree
$C_{n\delta_R}$	DCYNDR	yawing moment coefficient derivative with respect to rudder deflection, per degree
$C_{y\delta_R}$	DCY/DR	side force coefficient derivative with respect to rudder deflection, per degree
A_{sc}		sting cavity area; m ² , ft ²
l_B		body length; m, ft.
C_{P1}	CPC	sting cavity pressure coefficient
C_{P2}	CPB	base pressure coefficient
$\Delta\delta_a$	DLTALR	incremental aileron deflection angle, degrees
$\Delta\beta$	DBETA	incremental sideslip angle, degrees
$\Delta\delta_e$	DLTELv	incremental elevon deflection angle, degrees
-	ALFSWP	direction of angle of attack sweep; increasing = 1.0, decreasing = 2.0
-	GRITNO	size number of carborundum grit applied to model for flow separation trips
-	RCSPoS	Reaction Control System (RCS) jet position, 0.0 = closed; 1.0 = open
P_o		stagnation pressure, PSIA
T_o		stagnation temperature, deg. Rankine

INTRODUCTION

NASA is continuing experimental and analytical development of an aerodynamically sound and effective space shuttle vehicle. Extensive wind tunnel support has been devoted to this vehicle, especially the orbiter configuration, which is at present fixed in basic design. Several areas of concern have recently been noted from analysis of experimental data obtained in the numerous tests in various facilities which are the existence of regions of non-linear aerodynamic characteristics significant enough to cause concern to control designers and secondly, disagreement between data obtained in the various facilities across the country.

Therefore, the Langley Research Center, in cooperation with Johnson Space Center and Rockwell International, has undertaken an experimental program to determine in detail the aerodynamic characteristics of a model of the space shuttle orbiter. Attention will be given to conditions which have in past investigations shown regions of non-linearity since detailed definition in these regions are particularly important in the development of longitudinal and lateral control characteristics to be used in the vehicle control logic. In addition, in order to minimize the effect of configuration differences which may contribute to uncertainties, a single model will be tested in the following selected facilities:

Langley Research Center

8-foot Transonic Pressure Tunnel (Reference 1)

Low Turbulence Pressure Tunnel (Reference 2)

Unitary Plan Wind Tunnels No. 1 and 2 (References 3 and 4)

Ames Research Center

12-foot Transonic Pressure Tunnel (Reference 5)

Calspan

8-foot Variable Density Transonic Tunnel (Reference 6)

ITV, Inc.

4 X 4-foot Supersonic Wind Tunnel (Present Report)

The model was designed with remotely controlled elevons so that

INTRODUCTION - (Concluded)

pitch and roll control effectiveness could be defined in small control increments over a wide range of control settings in an expedient manner. A large data base of aerodynamic characteristics will be determined in continuous flow, lower Reynolds number facilities. Non-linearities or other possible problem areas that appear in these low Reynolds number tests will be investigated in facilities which are capable of higher Reynolds numbers. At the conclusion of the overall program, aerodynamic data will be available in the Mach range from 0.25 to 4.6 on a single model and in a sufficiently wide range of Reynolds numbers to give a high degree of confidence in the data, and extrapolation to full scale conditions.

The purpose of this report is to present aerodynamic characteristics obtained in the VSD High Speed Wind Tunnel at Mach numbers from 0.6 to 4.6 over an angle of attack range from -2° to 32° at -2° , 0° , 1° and 2° of sideslip at high Reynolds numbers ($Re/L = 5.0 \times 10^6$ to 16.0×10^6 per foot). Fine cuts in elevon and aileron deflections as well as Mach number were obtained at constant angle of attack. In addition, data were obtained at various control surface deflection rates and angle of attack pitch rates.

CONFIGURATIONS INVESTIGATED

The test model was a 0.015-scale model of the Space Shuttle Orbiter, figures 2a thru 2d. The model was constructed at the Langley Research Center using the nose section forward of full-scale fuselage station 672.8, the vertical tail and OMS pods from an existing Rockwell model 49-0. The remainder of the model, the wings, elevons, and body were constructed from Rockwell-furnished line details. The elevon position was determined by high resolution potentiometers mounted on the pivot axis of the elevons, thus giving the true position of the elevon under load at all times. The accuracy of the elevon position is the read-out accuracy of the potentiometer, which was determined to be within 0.2 degree .

The model configuration is summarized as follows:

$$\text{Orbiter} - 140A/B/C = B_{26} C_9 E_{43} F_8 M_{16} N_{28} R_5 V_8 W$$

<u>Component</u>	<u>Definition</u>
B_{26}	Fuselage per Rockwell Lines VL70-000140A VL70-000140B (Model SS-A00147)
C_9	Canopy per Rockwell Lines VL70-000140A and VL70-000143B (Model SS-A00147)
E_{43}	Slotted version (6-inch) of E_{26} elevons per Rockwell VL70-000145 (Model drawing SS-A00147)
F_8	Body flap per Rockwell Lines VL70-000145 (Model drawing SS-A00147)
M_{16}	OMS/RCS pods per Rockwell Lines VL70-0084010 (Model drawing SS-A00147)
N_{28}	OMS engine nozzle per Rockwell Lines VL70- 000145 (Model drawing SS-A00147)

CONFIGURATIONS INVESTIGATED (Concluded)

<u>Component</u>	<u>Definition</u>
R ₅	Rudder per Rockwell Lines VL70-000146A (Model drawing SS-A00148)
V ₈	Vertical tail per Rockwell Lines VL70-000146A (Model drawing SS-A00148)
W	Wing per Rockwell V70-30-906-01 (Basic control drawing)

A complete description of model dimensional data is given in table
III.

TEST PROCEDURES

The model was installed in the tunnel on the VB-36 balance, which had been calibrated prior to the test. Load deflection constants were experimentally obtained for the sting-balance combination. Check loads were applied to assure that the balance and data acquisition system were functioning properly. Base and cavity pressure tubing was installed and these transducers were calibrated. The two elevon-position motors and potentiometers were connected to the controller and the potentiometers were calibrated.

During usual operation in this facility, the stagnation temperature decreases during a run due to the expansion in the storage tanks. Thus, a run conducted at a constant stagnation pressure will result in a varying unit Reynolds number. In order to maintain constant Reynolds numbers during this test program, an on-site analog computer (Electronics Associates, Inc., PACE TR-48) was programmed to control the stagnation pressure "set point" to compensate for decreasing T_0 .

During pitch runs the tunnel was started with the model near $\alpha = 0$. The model was pitched to the most negative angle of attack where data sampling at a rate of 10 per second was begun and the model was pitched to the maximum α . When hysteresis data were to be acquired, sampling was continued as the model was pitched down to $\alpha = 0$, or the desired negative α , where data acquisition was terminated and the tunnel was shut down. These runs were performed with fixed elevon deflection.

Elevon effectiveness runs were begun with the model near $\alpha = 0$. As

TEST PROCEDURES - (Concluded)

flow was established the model pitched to a pre-set α , data acquisition was begun, and the elevons were deflected either in conjunction as elevators or differentially as ailerons. After the desired δ_e or δ_a was obtained, the deflections were reversed and the elevons were returned toward neutral as data recording was continued. The run was terminated as the air supply approached the level where the desired P_0 could no longer be maintained. During supersonic runs it was necessary to anticipate the pressure decay so that the model could be returned to zero angle of attack to minimize the dynamic loads associated with shut down.

Immediately after a run the data were reduced using the on-site IBM 1800 Data Acquisition and Reduction System and selected coefficients were displayed on the automatic plotters.

INSTRUMENTATION

The 0.015-scale 140-C Orbiter configuration model was equipped with a remotely controlled elevon-deflection system. The control system consisted of elevons which could be differentially deflected, each driven by an electric motor and monitored by a potentiometer. Electrical power for the two potentiometers was supplied by a BIM Electronics, Inc., Model 8100 Universal Transducer Indicator, which was also used to drive each elevon.

Figure 2 presents sketches of the model configuration and the balance installation. Figure 3 shows photographs of the model.

Transition was fixed for the majority of the transonic runs. The carbundum grit-strip pattern employed is described in Figure 2.

The aerodynamic forces were measured in six components with the VB-36 balance, an internal strain gage instrument. Model base and cavity pressures were measured with Statham pressure transducers. The gain of these channels was adjusted according to the anticipated pressures so that the full scale varied from ± 15 psi at the lower ambient pressure conditions to near 50 psia during subsonic, high Reynolds number runs. These transducers were located on the model cart and were connected to tubes which were routed along the sting to the measurement site. Instrumentation was also provided to measure the required flow properties and the model angle of attack.

TEST FACILITY DESCRIPTION

The Vought Aeronautics Company High Speed Wind Tunnel is an atmospheric exhaust, blow down tunnel with a 4-foot by 4-foot test section size. The Mach number range of the tunnel is from 0.5 to 5.0. Air is stored in six tanks, with a total volume of twenty-eight thousand cubic feet, at a maximum pressure of 600 psia, and a nominal temperature of 100 degrees Fahrenheit.

The circuit utilizes both supersonic and transonic test sections, each 4 feet by 4 feet in cross section and slightly over five feet long. For supersonic operation a single-peak variable diffuser is placed downstream of the supersonic test section. For transonic operation the variable diffuser is removed from the circuit and replaced with a porous wall, transonic test section with 22 percent wall porosity. The transonic plenum is pumped by ejector action of the main tunnel airstream acting on controllable ejector flaps located downstream of the test section. Adjustable choking flaps, also located downstream of the test region, are utilized for subsonic Mach number adjustment. A more complete description is found in Reference 7.

DATA REDUCTION

The data reduction was performed on-site using the IBM 1800 digital computer. Aerodynamic coefficients in six components were computed according to the procedures described in Reference 8.

The pre-test calibration of the VB-36 balance provided standard deviations of the six balance components. These values were used with an arbitrary $q = 1500$ psf to compute the following estimates of "worst-case" coefficient deviations, which result from the balance:

<u>Coefficient</u>	<u>Deviation</u>
C_N	± 0.0012
C_m	± 0.0005
C_Y	± 0.0006
C_n	± 0.00012
C_l	± 0.00004
C_A	± 0.00015

In order to provide some means to determine overall accuracy, the following estimations, based on experience and calibrations, are presented:

Digital data system	$\pm 0.10\%$
Mach Number (centerline variation)	
Transonic	$\pm 1.00\%$
Supersonic	$\pm 0.50\%$

Moment reference point is shown in Figure 2a ($X_0 = 1076.7$ inches and $Z_0 = 375$ inches). Following dimensional data were used to reduce the balance data to coefficient form:

$$\begin{aligned}S_{\text{ref}} &= 2690 \text{ ft}^2 \\l_{\text{ref}} &= 474.8 \text{ in} \\b_{\text{ref}} &= 936.7 \text{ in}\end{aligned}$$

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1. Chrysler Corporation, Data Management Services Report DMS-DR-2264.
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4. Chrysler Corporation, Data Management Services Report DMS-DR-2279.
5. Chrysler Corporation, Data Management Services Report DMS-DR-2281.
6. Chrysler Corporation, Data Management Services Report DMS-DR-2269.
7. Arnold, J. W., "High Speed Wind Tunnel Facility Handbook," Publication Number AER-ElR-13552-B, dated February 1970.
8. Baker, T. M. "Data Acquisition, Reduction, and Presentation for Typical Force Tests at the ITV High Speed Wind Tunnel," Report Number 2-59710/OR-50732, dated July 1970.

TABLE I

TEST : <u>ITV 4X4 552 (IA67)</u>			DATE : <u>7-19-75</u>	
TEST CONDITIONS				
MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Rankine)	
<u>.6</u>	<u>5.0 X 10⁶</u>	<u>4.55</u>	<u>552 °R</u>	
↓	<u>7.5</u>	<u>6.196</u>	<u>535</u>	
↓	<u>10.0</u>	<u>8.67</u>	<u>554</u>	
<u>.8</u>	<u>5.0</u>	<u>5.947</u>	<u>578</u>	
↓	<u>7.5</u>	<u>9.176</u>	<u>582</u>	
↓	<u>10.0</u>	<u>11.756</u>	<u>583</u>	
↓	<u>12.0</u>	<u>14.13</u>	<u>588</u>	
<u>.9</u>	<u>6.0</u>	<u>7.747</u>	<u>586</u>	
↓	<u>10.0</u>	<u>12.764</u>	<u>593</u>	
↓	<u>12.0</u>	<u>15.068</u>	<u>589</u>	
<u>1.2</u>	<u>6.0</u>	<u>8.969</u>	<u>583</u>	
↓	<u>10.0</u>	<u>13.625</u>	<u>551</u>	
↓	<u>12.0</u>	<u>15.535</u>	<u>539</u>	
<u>1.5</u>	<u>8.0</u>	<u>12.366</u>	<u>585</u>	
<u>2.0</u>	<u>8.0</u>	<u>12.278</u>	<u>584</u>	
<u>3.</u>	<u>10.0</u>	<u>12.244</u>	<u>568</u>	
<u>4.6</u>	<u>16.0</u>	<u>11.231</u>	<u>589</u>	
BALANCE UTILIZED: <u>ITV VB-36</u>				
	CAPACITY:	ACCURACY: .5%	COEFFICIENT TOLERANCE:	
NF	<u>2000 lb.</u>	<u>10.0 lb.</u>	<u>.011 → .037</u>	
SF	<u>980 lb.</u>	<u>4.9 lb.</u>	<u>.005 → .018</u>	
AF	<u>200 lb.</u>	<u>1.0 lb.</u>	<u>.0011 → .0037</u>	
PM	<u>3000 in.-lb.</u>	<u>15.0 in.-lb.</u>	<u>.002 → .008</u>	
RM	<u>1200 in.-lb.</u>	<u>6.0 in.-lb.</u>	<u>.001 → .002</u>	
YM	<u>1200 in.-lb.</u>	<u>6.0 in.-lb.</u>	<u>.001 → .002</u>	
COMMENTS:				

TABLE II

TEST : LA-67 (INV 552)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 7-19-75							
DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS/VALUES										MACH NUMBERS								
		α	β	δ_e	δ_a	δ_{SB}	BN/L	GRIT	RCS		0.6	0.8	0.9	1.2	1.5	2.0	3.0	4.6		
* ** RFD001	ORBITER	A	0	0	0	25	5.0	120	CLOSED		2	8								
002							6.0						20	21*						
003		V					7.5				3	9								
004		B					10.0				4	10	14	25						
005		B					12.0	V				12	13							
006		A					5.0	OFF			67									
007							6.0		V				66	65						
008							5.0		OPEN		62									
009		V	V				6.0	V	OPEN				63	64						
010		B	-2				5.0	120	CLOSED		42	49								
011							6.0						50	52						
012							7.5				44									
013							10.0				46			53						
014							12.0	V				48	51							
015							5.0	OFF			56									
016							6.0		V				57	58						
V 017	V	V	V	V	V	V	5.0	V	OPEN		61									
CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R	MACH	ALPHA	10								
CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R	MACH	ALPHA	10								
TYPE OF DATA																				
α OR β																				
SCHEDULES																				
A) $\alpha=0^\circ$ to 20° @ $2.5^\circ/\text{sec}$ up, $5^\circ/\text{sec}$ down																				
B) $\alpha=0^\circ$ to 20° @ $3^\circ/\text{sec}$ up only																				
COEFFICIENT SCHEDULES																				
IDVAR (1) IDVAR (2) NDV																				

* α sweep up only

#ALFSWP=2 data are in appendix as separate data sets with fourth character of 5.

TABLE II - (Continued)

TEST : LA-67 (INV 552)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 7-19-75							
DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS/VALUES										MACH NUMBERS							
		α	β	δ_e	δ_a	δ_{SE}	RNL	GRIT	RCS		0.6	0.8	0.9	1.2	1.5	2.0	3.0	4.6	
RFD018	ORBETER	B	-2	0	0	25	6.0	OFF	OPEN				60	59					
019		B	+2				5.0	120	CLOSED		54								
020		B	+2				7.5				55								
021		A	0	-10			7.5				29								
022		B		-10			10.0						17	26					
023		A		5			7.5				28								
024		B					10.0						16	24					
025		B	-2				7.5				45								
026		A	0		2		5.0				7								
027		A					6.0						19	22*					
028		A					7.5				6								
029		B					10.0				5		15	27					
030		B					12.0						18	23					
031		B		0	0	55	8.0	OFF							124				
032		D					8.0		OPEN						109	96			
033		C					10.0										85		
034		C					16.0											70	

TABLE II - (Continued)

TEST: IA-67 (INV 552)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 7-19-75						
DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS/VALUES										MACH NUMBERS							
		α	β	δ_e	δ_a	δ_{SB}	RN/L	GRT	RCS		0.6	0.8	0.9	1.2	1.5	2.0	3.0	4.6	
* # RFD052	ORBITER	D	0	5	2	55	8.0	OFF	OPEN						114	101			
053		C		5			10.0										90		
054		C		5			16.0											81	
055		D		-10			8.0							115	102				
056		C		-10			10.0										91		
057		C		-10			16.0											83	
* RFD101		G		E	0	25	5.0	120	CLOSED		30								
102		H		F	0						31								
103		G		O	G						32								
104		H		O	G						33								
105		O		H	0	55	16.0	OFF	OPEN									72	
106		O		I			16.0											73	
107		I		J			8.0							123	107				
108		J		J			10.0										95		
109		K		J			16.0											80	
110		O		O	K		8.0							119					
CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA	MACH	ELEVON	10							
CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R	MACH	ELEVON	10							
TYPE OF DATA		COEFFICIENT SCHEDULES										IDVAR (1)	IDVAR (2)	NDV					
α OR β		G) $\delta_a = 14^\circ$ to -14° , $1^\circ/\text{sec}$ aileron																	
SCHEDULES		H) $\delta_e = 0^\circ$ to -20° , $1^\circ/\text{sec}$ elevon																	

TABLE II - (Continued)

TEST: IA-67 (ITV 552)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 7-19-75						
DATA SET IDENTIFIER	CONFIGURATION	PARAMETERS/VALUES										MACH NUMBERS							
		α	β	δ_e	δ_a	δ_{SB}	RN/LGRTR	RCS		0.6	0.8	0.9	1.2	1.5	2.0	3.0	4.6		
RFD111	ORBITER	5	0	0	K	55	8.0	OFF	OPEN						116	108			
112				5					CLOSED						120				
113				-10											121				
114		10		0											117	103			
115		10		5											118	106			
116		12		-10											122				
117		15		0												104			
118		15		5												105			
119		10		0			10.0										92		
120		15		0													93		
121				5													94		
122				0			16.0										79		
123		20		0													76		
124				-5													77		
125				-10													78		
CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA	MACH	AILRON	10							
CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHA	ELVN-L	ELVN-R	MACH	AILRON	10							
TYPE OF DATA		COEFFICIENT SCHEDULES										IDVAR (1)		IDVAR (2)		NDV			
α OR β		I) $\delta_e=0^\circ$ to 10° , $1^\circ/\text{sec}$ elevon										K) $\delta_a=-4^\circ$ to 10° @ $2^\circ/\text{sec}$							
SCHEDULES		J) $\delta_e=6^\circ$ to -10° , $1^\circ/\text{sec}$ elevon																	

TEST RUN NUMBERS

TABLE II - (Concluded)

[illegible]

TABLE III.
MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY B26

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Fuselage

NOTE: B26 is identical to B24 except underside of fuselage has been
refaired to accept W

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER: VL70-000143B, -000200, 000205, -006089,
-000145, -000140A, 000140B

DIMENSIONS :	FULL SCALE	MODEL SCALE
* Length (OML: Fwd Sta. $X_0=235$) - In.	<u>1293.3</u>	<u>19.400</u>
* Length (IML: Fwd Sta. $X_0=238$) - In.	<u>1290.3</u>	<u>19.355</u>
* Max Width (@ $X = 1528.3$) - In.	<u>264.0</u>	<u>3.960</u>
Max Depth (@ $X_0 = 1464$) - In.	<u>250.0</u>	<u>3.750</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft^2	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>340.88</u>	<u>0.077</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III-Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT : CANOPY - C₉

GENERAL DESCRIPTION : Configuration 3A, Canopy used with Fuselage
B26.

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147 , RELEASE 12

DRAWING NUMBER : VL70-000143A/B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_O = 434.643$ to 587)	<u>143.357</u>	<u>2.150</u>
Max Width (@ $X_O = 513.127$)	<u>152.412</u>	<u>2.286</u>
Max Depth (@ $X_O = 485.0$)	<u>25.000</u>	<u>0.375</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III--Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT : SLOTTED ELEVON (6-inch GAP) - E₄₃

GENERAL DESCRIPTION Configuration 140A/B Orbiter elevon.

NOTE: E₄₃ is a slotted version of E₂₆. Data are for one side.

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00148

DRAWING NUMBER VL70-000200, VL70-006089, VL006092

DIMENSIONS	FULL SCALE	MODEL SCALE
Area - Ft ²	<u>210.0</u>	<u>0.0473</u>
Span (equivalent) - In.	<u>349.2</u>	<u>5.238</u>
Inb'd equivalent chord - In.	<u>118.004</u>	<u>1.770</u>
Outb'd equivalent chord/ total surface chord	<u>55.192</u>	<u>0.828</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>-10.056</u>	<u>-10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line)	<u>1587.25</u>	<u>0.00536</u>
Mean Aerodynamic Chord (\bar{c}), in.	<u>90.7</u>	<u>1.3605</u>

TABLE III-Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY FLAP -F8

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Body Flap.
Hingeline located at $X_0 = 1528.3$; $Z_0 = 284.3$

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER : VL-000140A, VL70-000145

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_0 = 1520$ To $X_0 = 1613$)	<u>93.000</u>	<u>1.395</u>
Max Width (In.)	<u>262.00</u>	<u>3.930</u>
Max Depth ($X_0 = 1520$) - In.	<u>23.000</u>	<u>0.345</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft^2	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u>150.525</u>	<u>0.0339</u>
Wetted	<u> </u>	<u> </u>
Base	<u>41.84722</u>	<u>0.00941</u>

TABLE III-Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT : OMS Pod (M16)

GENERAL DESCRIPTION : Configuration 140D Orbiter OMS Pod

MODEL SCALE: 0.015 MODEL DRAWING NO: SS-A00147

DRAWING NUMBER : VL70-000140D
VL70-008410

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta $X_O=1310.5$) - In.	<u>258.5</u>	<u>3.878</u>
Max Width (@ $X_O = 1511$) - In.	<u>136.8</u>	<u>2.052</u>
Max Depth (@ $X_O = 1511$) - In.	<u>74.7</u>	<u>1.121</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - Ft. ²	<u></u>	<u></u>
Max. Cross-Sectional	<u>58.864</u>	<u>0.0132</u>
Planform	<u></u>	<u></u>
Wetted	<u></u>	<u></u>
Base	<u></u>	<u></u>

TABLE III - Continued
- MODEL DIMENSIONAL DATA

MODEL COMPONENT: OMS NOZZLES - N28

GENERAL DESCRIPTION: Configuration 140A/B Orbiter OMS Nozzles

MODEL SCALE: 0.015 MODEL DRAWING: SS-000147
RELEASE 5 (Contour)

DRAWING NUMBER: VL70-000145, (location)

DIMENSIONS:	FULL SCALE	MODEL SCALE
MACH NUMBER		
Length- In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In.		
Exit		
Throat		
Inlet		
Area - ft ²		
Exit		
Throat		
Gimbal Point (Station) - In.		
Left Nozzle		
X ₀	1518.0	22.770
Y ₀	-88.0	-1.320
Z ₀	490.2	7.353
Right Nozzle		
X	1518.0	22.770
Y	+88.0	+1.320
Z	492.0	7.380
Null Position - Deg.		
Left Nozzle		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'
Right Nozzle		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'

TABLE III-Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT	RUDDER - R ₅
GENERAL DESCRIPTION	2A, 3, 3A, and 140A/B Configurations
MODEL SCALE:	0.015
MODEL DRAWING:	SS-A00148
DRAWING NUMBER	VL70-000146A, VL70-000095, V170-000139

DIMENSIONS	FULL SCALE	MODEL SCALE
*Area Ft ²	100.15	0.0225
Span (equivalent) - In.	201.0	3.015
Inb'd equivalent chord - In.	91.585	1.3738
Outb'd equivalent chord - In.	50.833	0.7625
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.83	34.83
Trailing Edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Normal to hinge line)	610.92	0.002
Mean Aerodynamic Chord, - In.	73.2	1.098

TABLE III--Continued
MODEL DIMENSIONAL DATA

MODEL COMPONENT : VERTICAL - V8

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Vertical Tail

MODEL SCALE: 0.015

DRAWING NUMBER: SS-A00148,
RELEASE 6

DRAWING NUMBER VL70-000146A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft ²	<u>413.253</u>	<u>0.093</u>
Planform		
Span (Theo) - In.	<u>315.720</u>	<u>4.736</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep-Back Angles, Degrees.		
Leading Edge	<u>45.000</u>	<u>45.000</u>
*Trailing Edge	<u>26.2</u>	<u>26.2</u>
0.25 Element Line	<u>41.130</u>	<u>41.130</u>
Chords:		
Root (Theo) WP	<u>268.500</u>	<u>4.028</u>
Tip (Theo) WP	<u>108.470</u>	<u>1.627</u>
MAC	<u>199.808</u>	<u>2.997</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>21.953</u>
W.P. of .25 MAC	<u>635.522</u>	<u>9.533</u>
B.L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle - Deg.	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle - Deg.	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius	<u>2.00</u>	<u>0.030</u>
Void Area	<u>13.17</u>	<u>0.030</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE IIT-Continued

MODEL COMPONENT: WING-WGENERAL DESCRIPTION: Configuration 4NOTE: Identical to W₁₁₄ except airfoil thickness.

Dihedral angle is along trailing edge of wing.

MODEL SCALE: 0.015MODEL DRAWING: SS-AG0148

DRAWING NUMBER:

VL70-000140A -000200DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft ²		
Planform	2690.00	0.605
Wetted		
Span (equivalent) (Theo) In.	936.68	14.050
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	+3.000	+3.000
Toe-In Angle		
Cant Angle		
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	-10.056	-10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Wing Sta. 0.0) (Theo) B.P.0.0.	689.24	10.339
Tip, (equivalent) (Theo) B.P.	137.85	2.068
MAC	474.81	7.122
Fus. Sta. of .25 MAC	1136.83	17.052
W.P. of .25 MAC	290.58	4.359
B.L. of .25 MAC	182.13	2.732
Airfoil Section		
Root		
Tip		

EXPOSED DATA

Area Ft ²	1751.50	0.394
Span, (equivalent) (Theo) In. BP108	720.68	10.810
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	8.431
Tip 1.00 $\frac{b}{2}$	137.85	2.068
MAC	392.83	5.892
Fus. Sta. of .25 MAC	1185.98	17.790
W.P. of .25 MAC	294.30	4.415
B.L. of .25 MAC	251.77	3.777

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

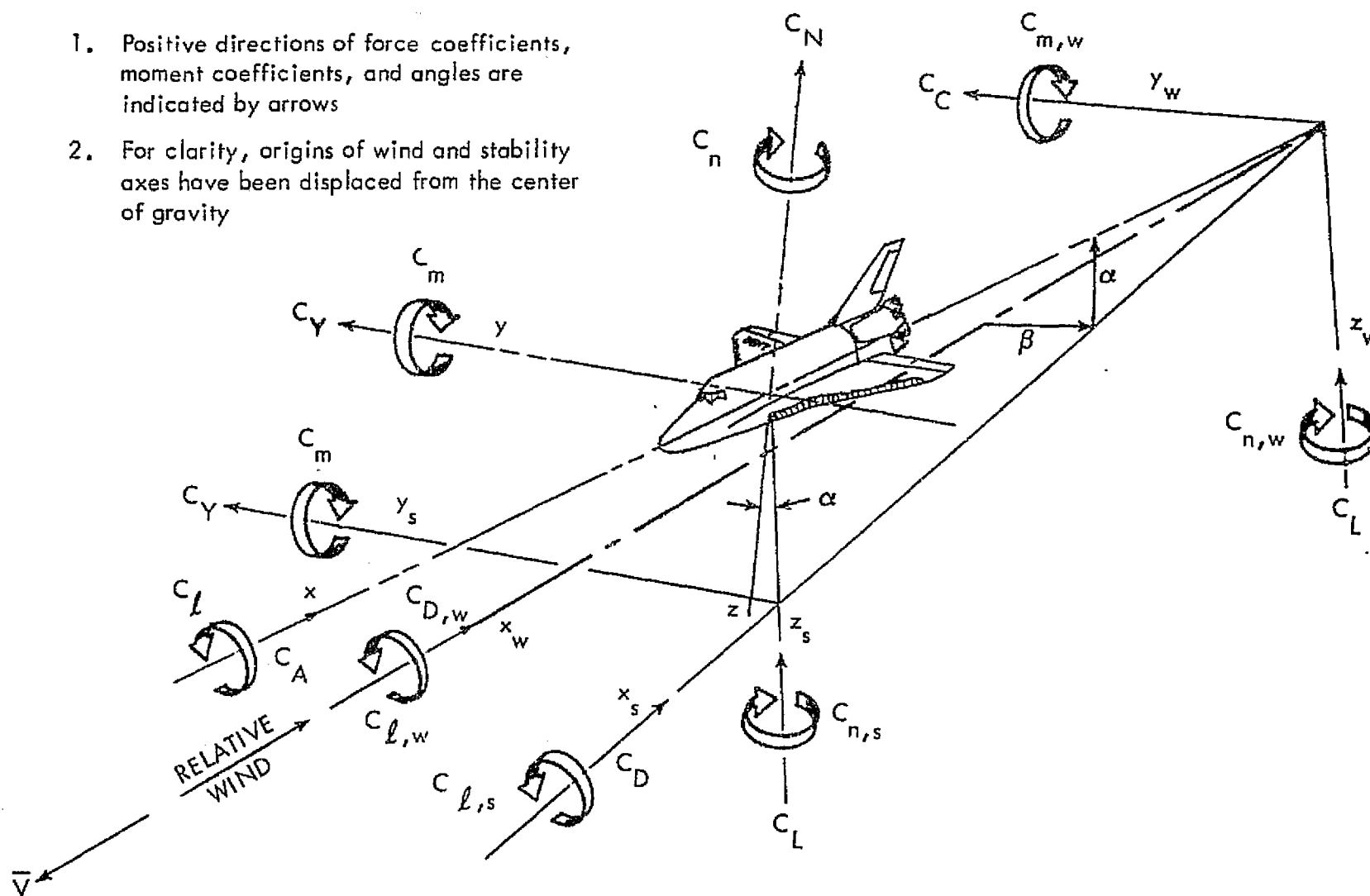
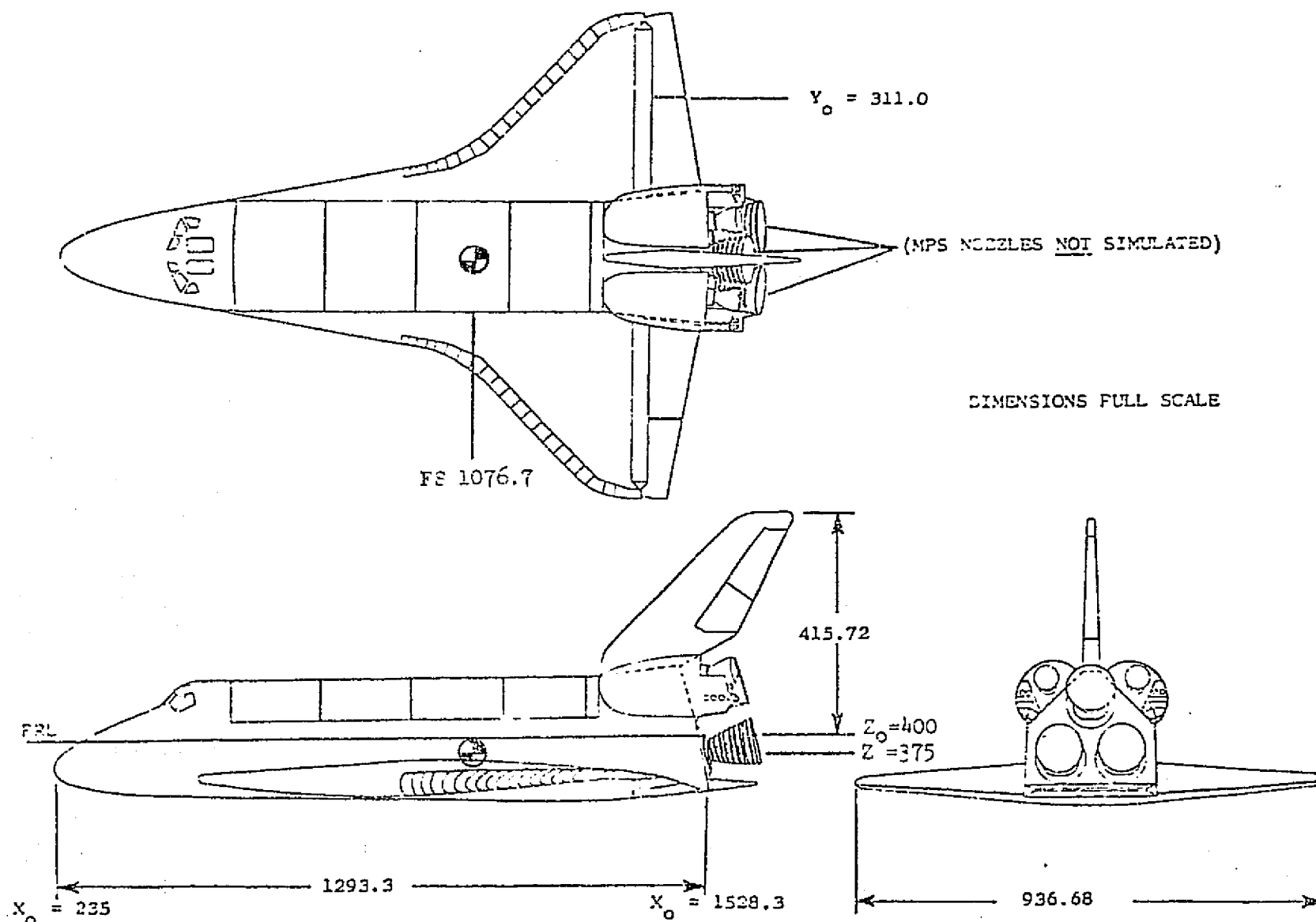
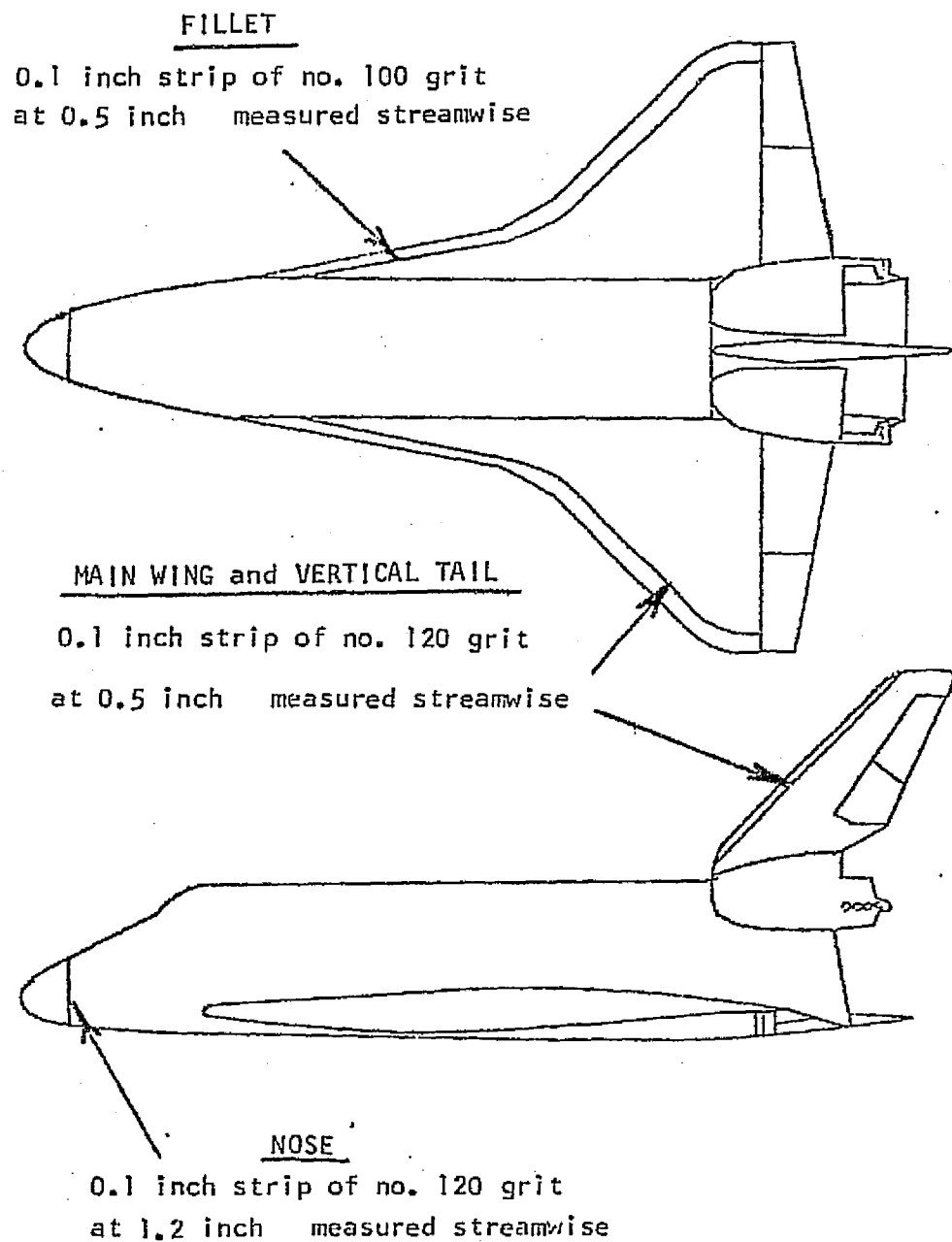


Figure 1. Axis Systems

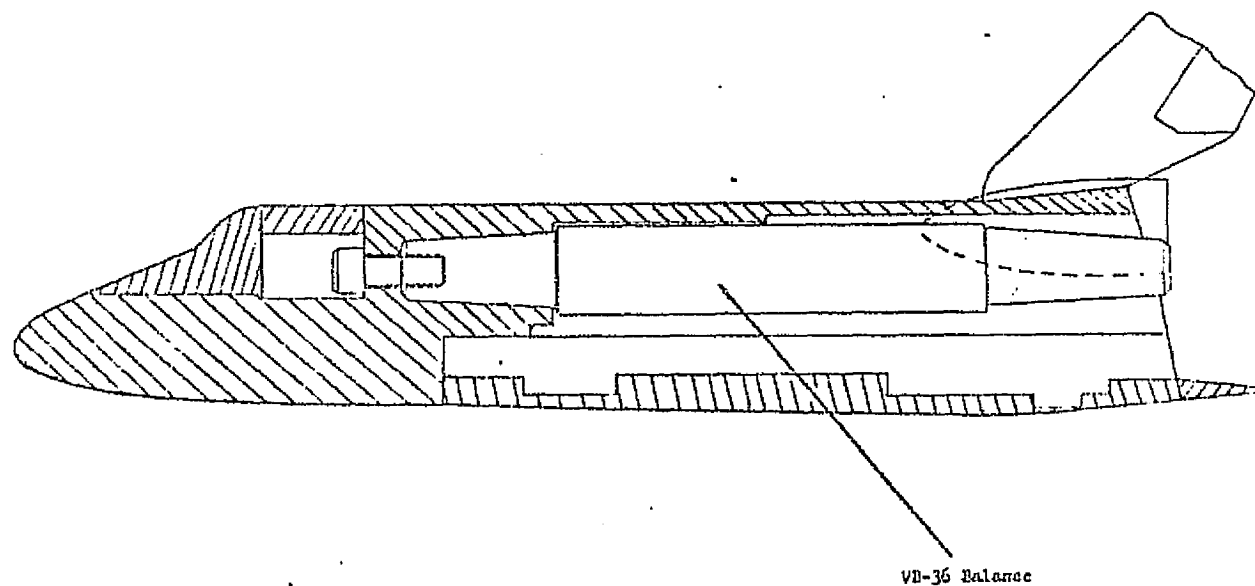


(a) Configuration Sketch
Figure 2. - Model Sketches.

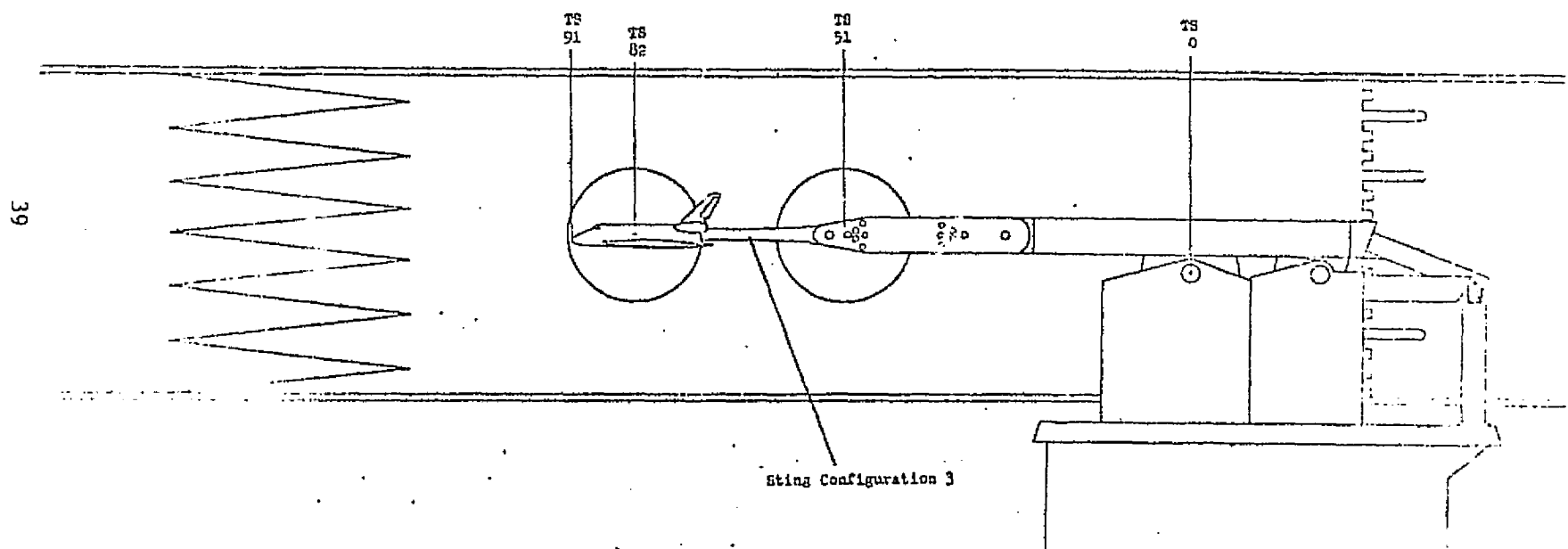


(b) Location of Transition Grit

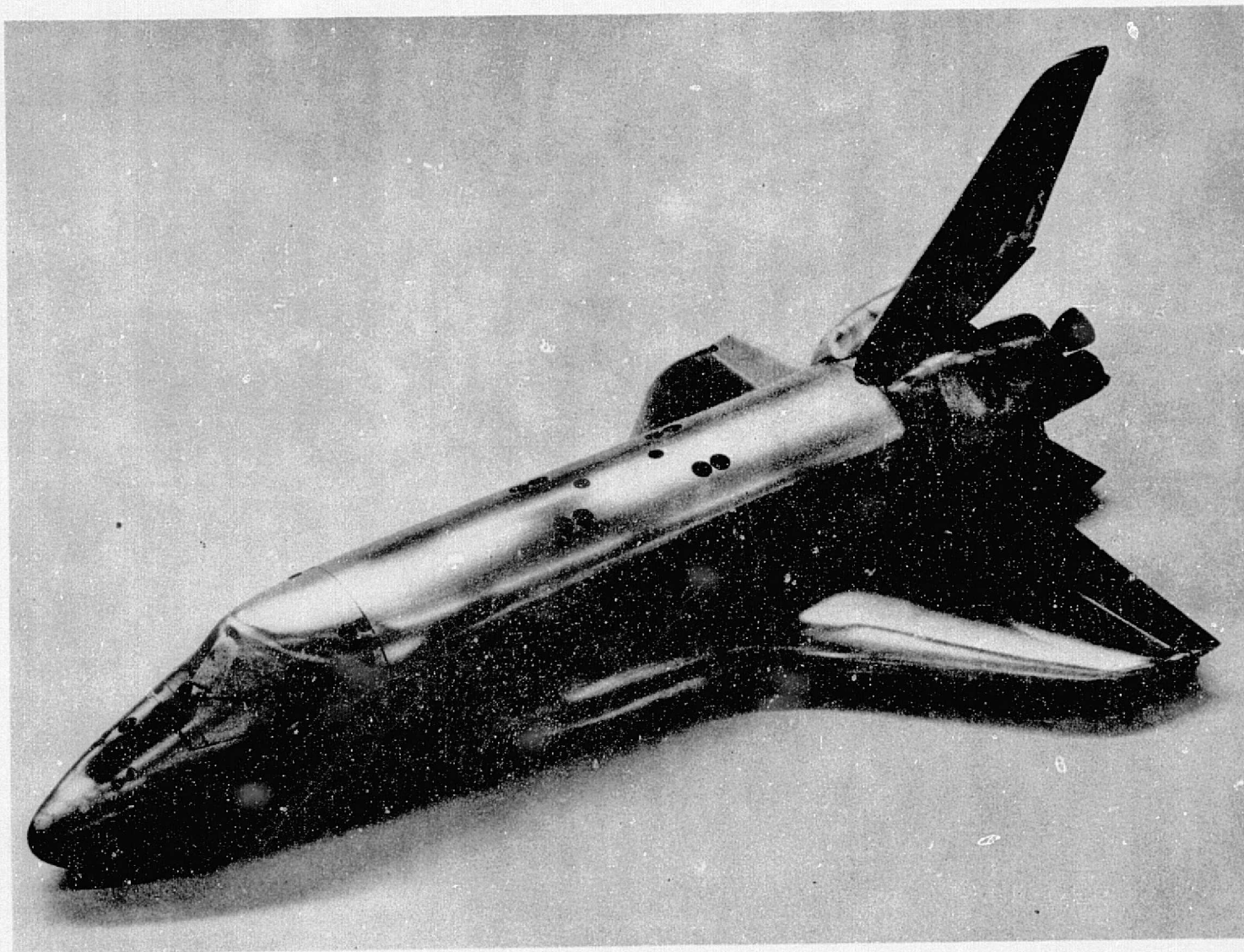
Figure 2. - Continued.



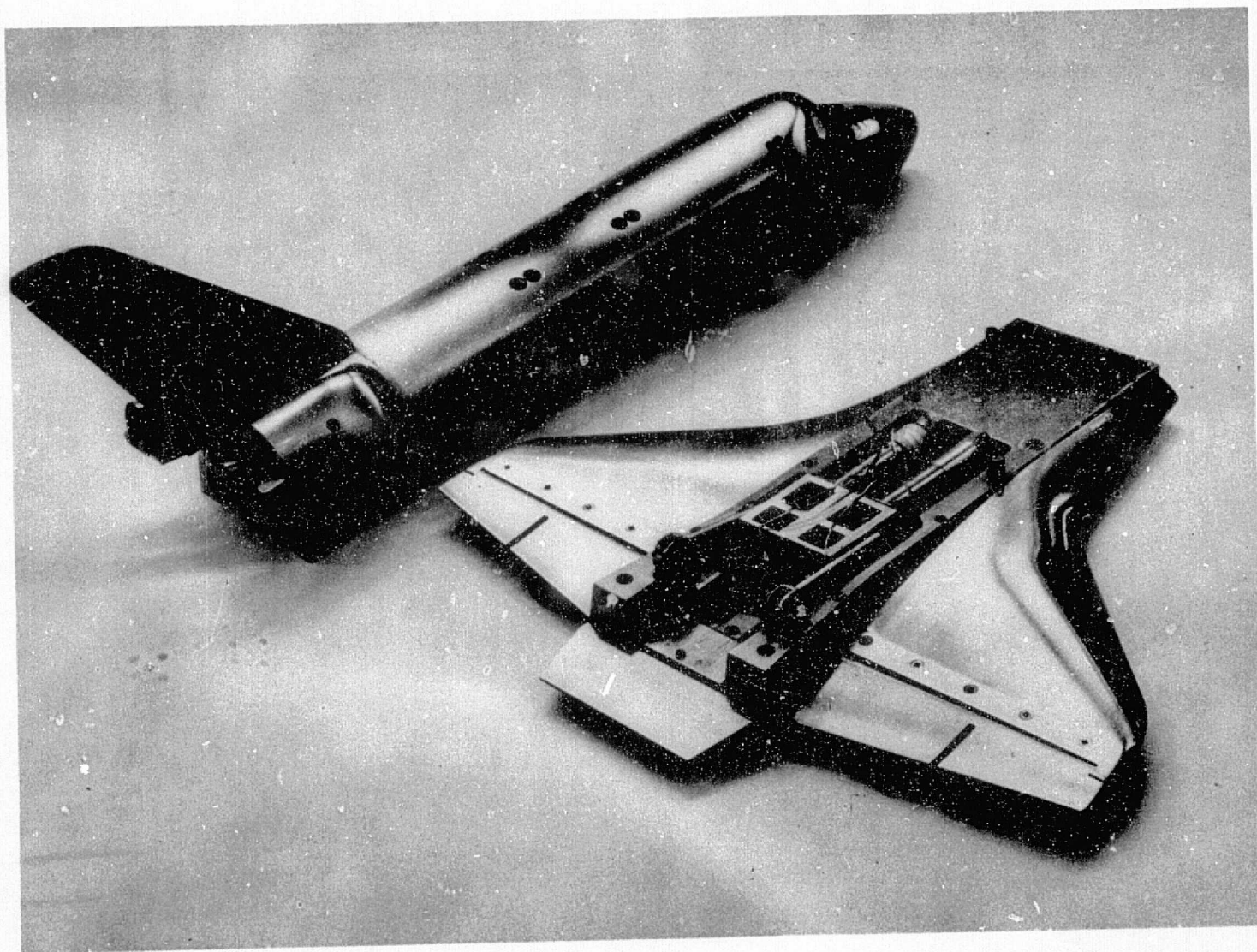
(c) Balance Installation
Figure 2. - Continued.



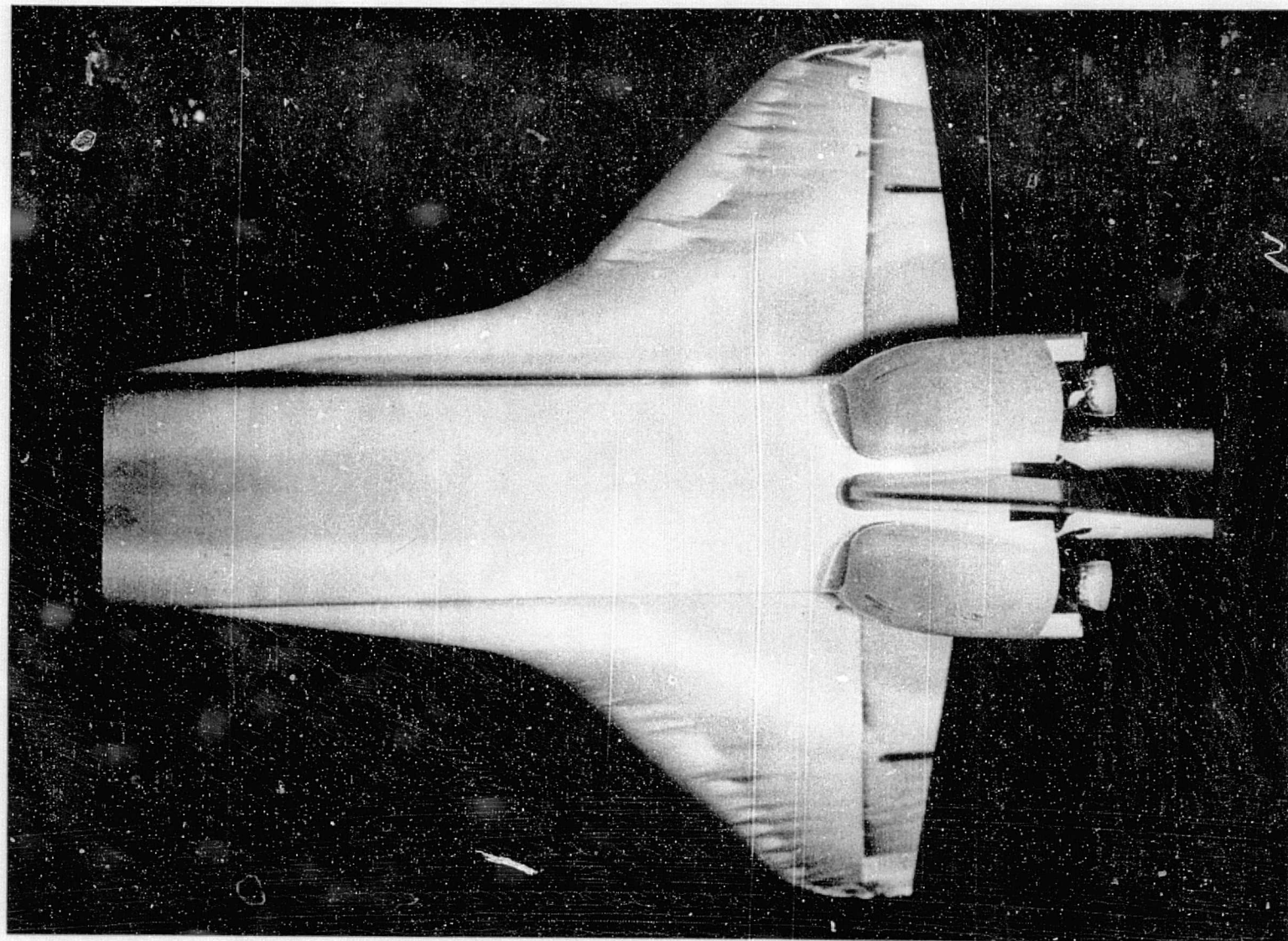
(d) Installation Sketch
Figure 2. - Concluded.



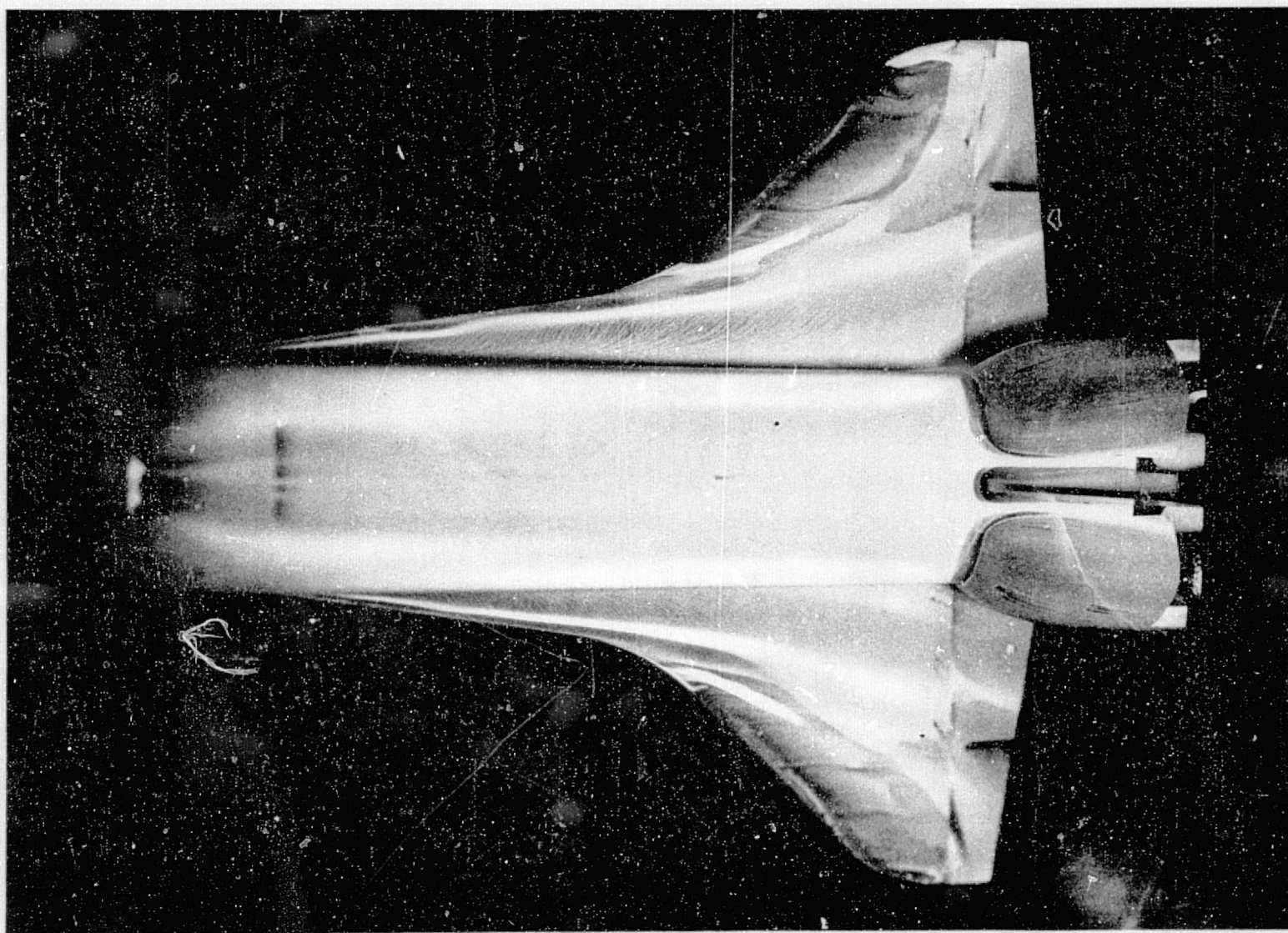
a. Orbiter Configuration, Front 3/4 View
Figure 3. - Model Photographs



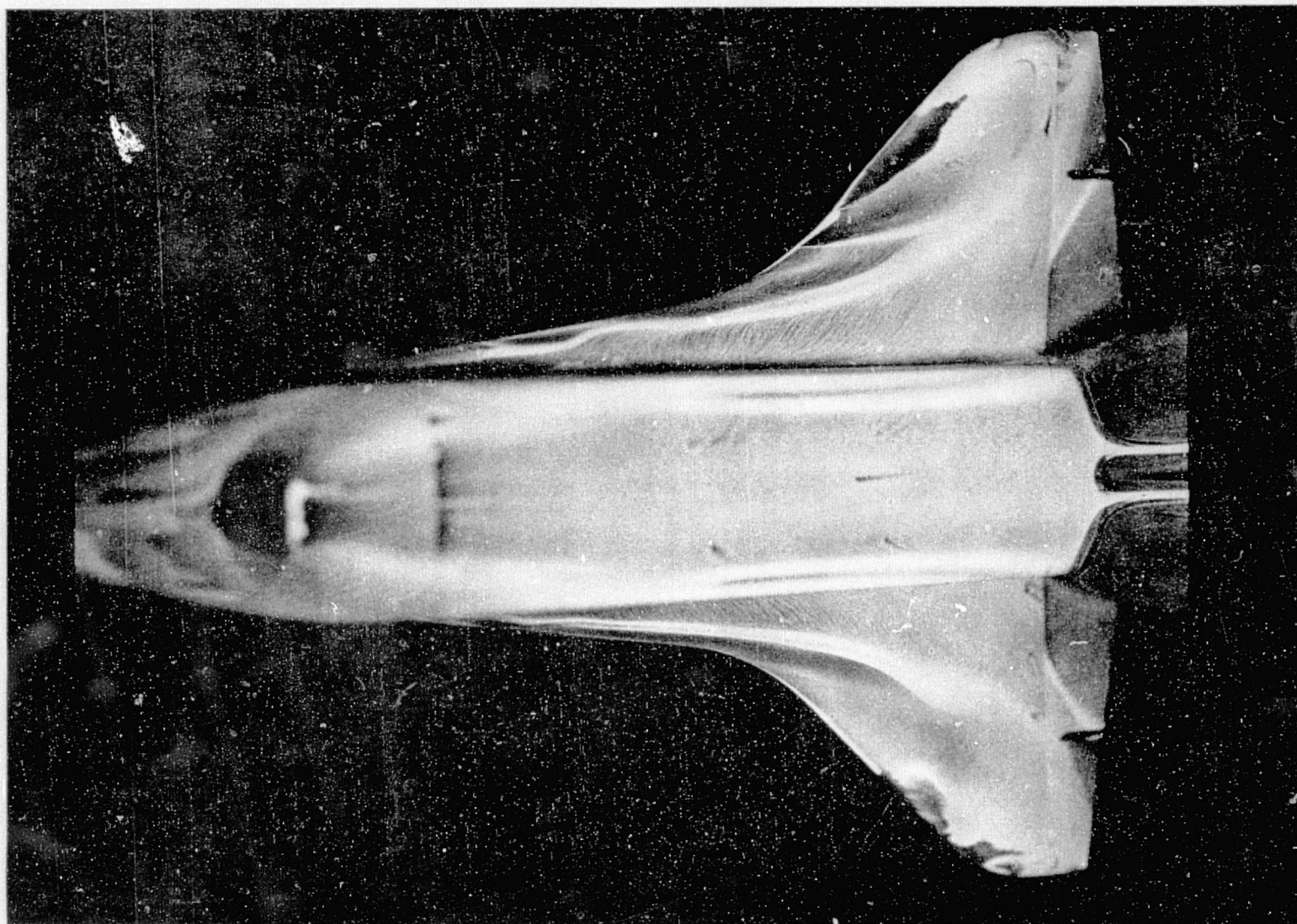
b. Orbiter Configuration, Rear 3/4 View
Figure 3. - Continued.



(c) Oil Flow Photograph, $M=0.6$ $RN/L = 5.0 \times 10^6$, $\alpha=6^\circ$
Figure 3. - Continued.



(d) Oil Flow Photograph, $M=0.6$ $RN/L=5.0 \times 10^6$, $\alpha=13^\circ$
Figure 3. - Continued.



(e) Oil Flow Photograph, $M=0.6$ $RN/L=5.0 \times 10^6$, $\alpha=18^\circ$
Figure 3. - Concluded.

DATA FIGURES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	LA67 (LTV 552) ORBITER 49-0
(SFD002)	DATA NOT AVAILABLE
(SFD003)	LA67 (LTV 552) ORBITER 49-0
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	.000	SREF	2690.0000	SQ.FT.
6.000	.000	.000	.000	LREF	474.8000	INCHES
7.500	.000	.000	.000	BREF	936.7000	INCHES
10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

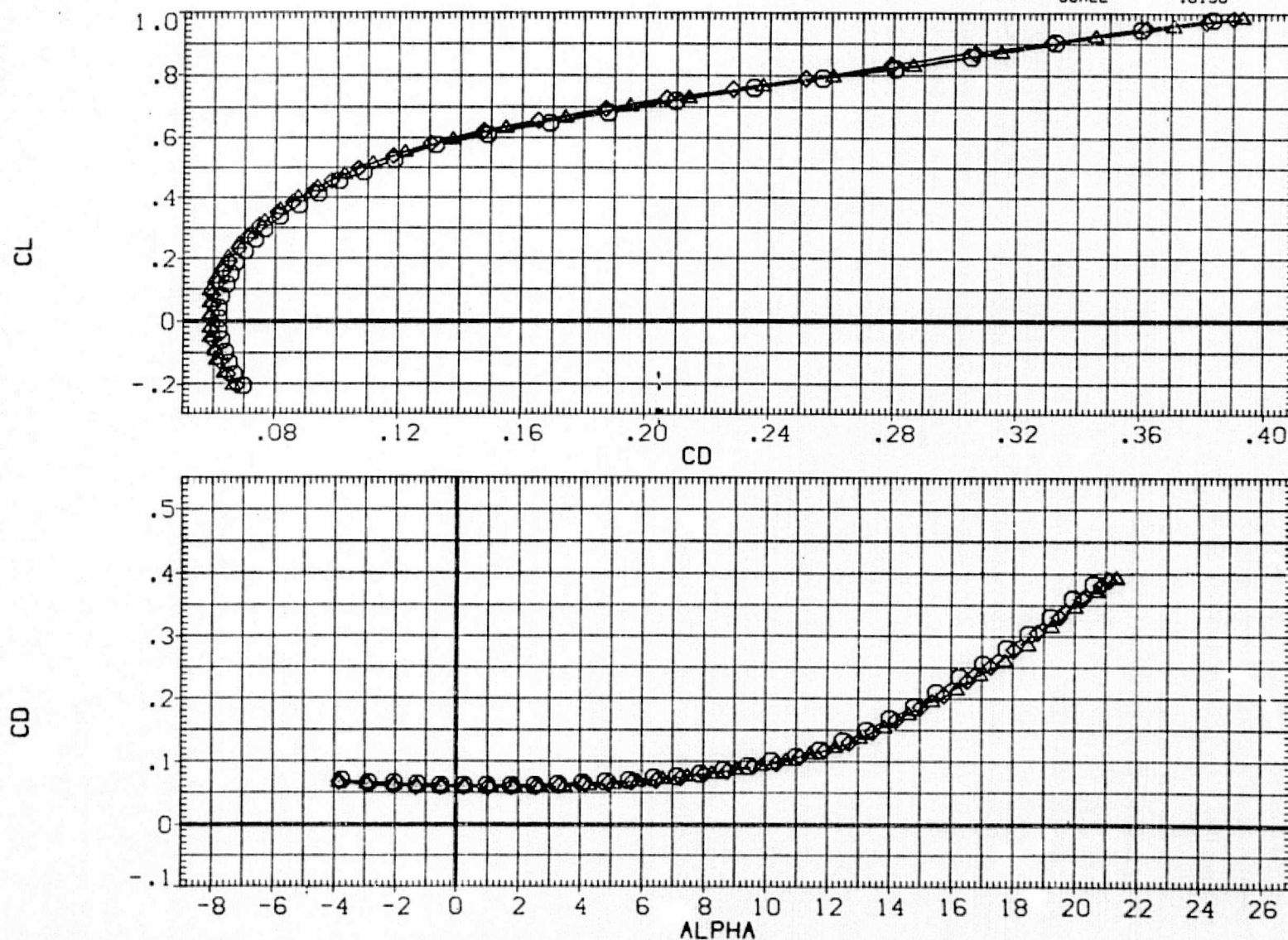


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	LA67 (LTV 552) ORBITER 49-0
(SFD002)	DATA NOT AVAILABLE
(SFD003)	LA67 (LTV 552) ORBITER 49-0
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 50.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. XC
12.000	.000	.000	.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

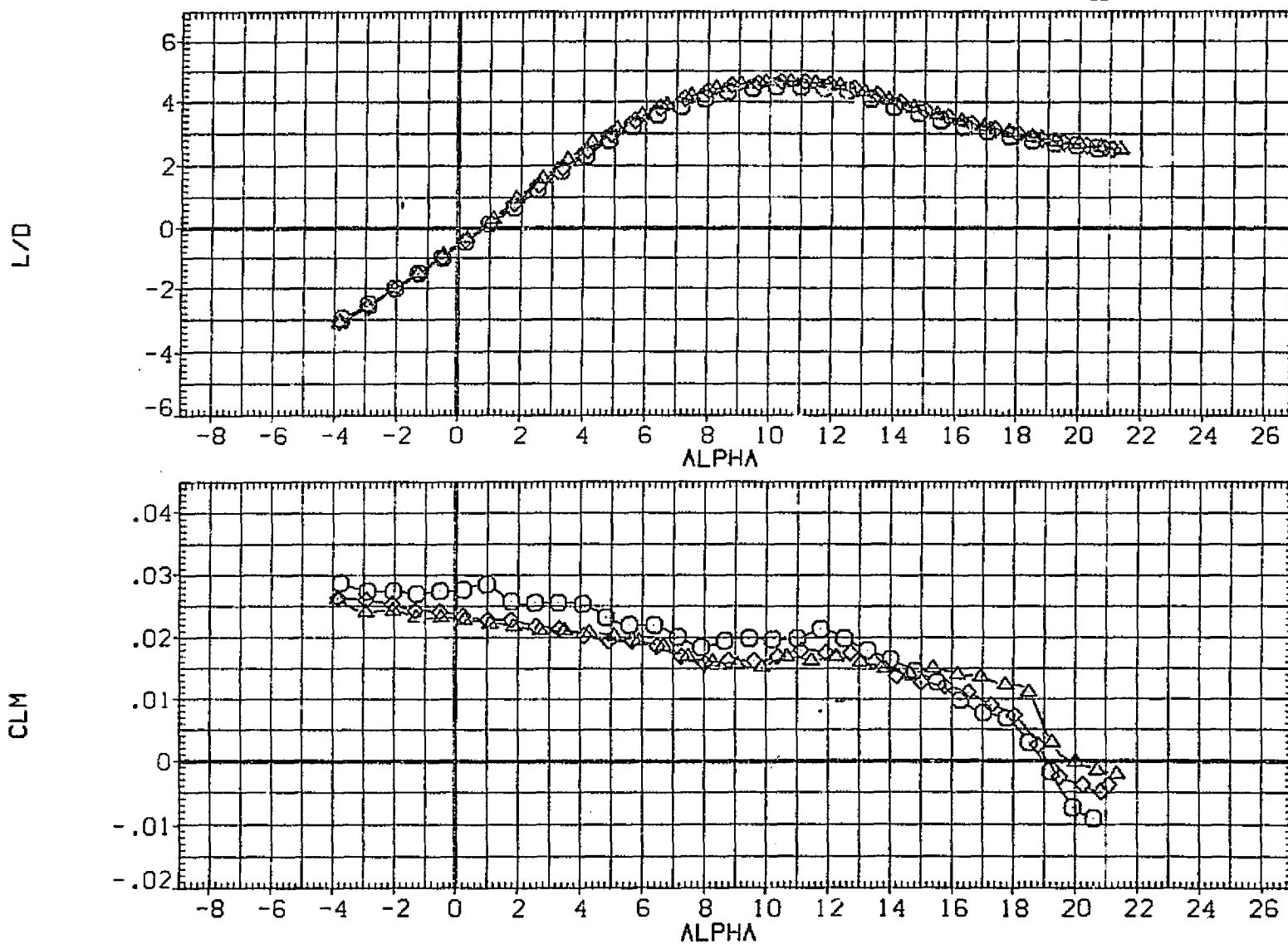


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	LA67 (LTV 552) ORBITER 49-0
(SFD002)	DATA NOT AVAILABLE
(SFD003)	LA67 (LTV 552) ORBITER 49-0
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5,000	.000	.000	.000	SREF	2690.0000	50.FT.
6,000	.000	.000	.000	LREF	474.8000	INCHES
7,500	.000	.000	.000	BREF	936.7000	INCHES
10,000	.000	.000	.000	XMRP	1076.7000	IN. X0
12,000	.000	.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

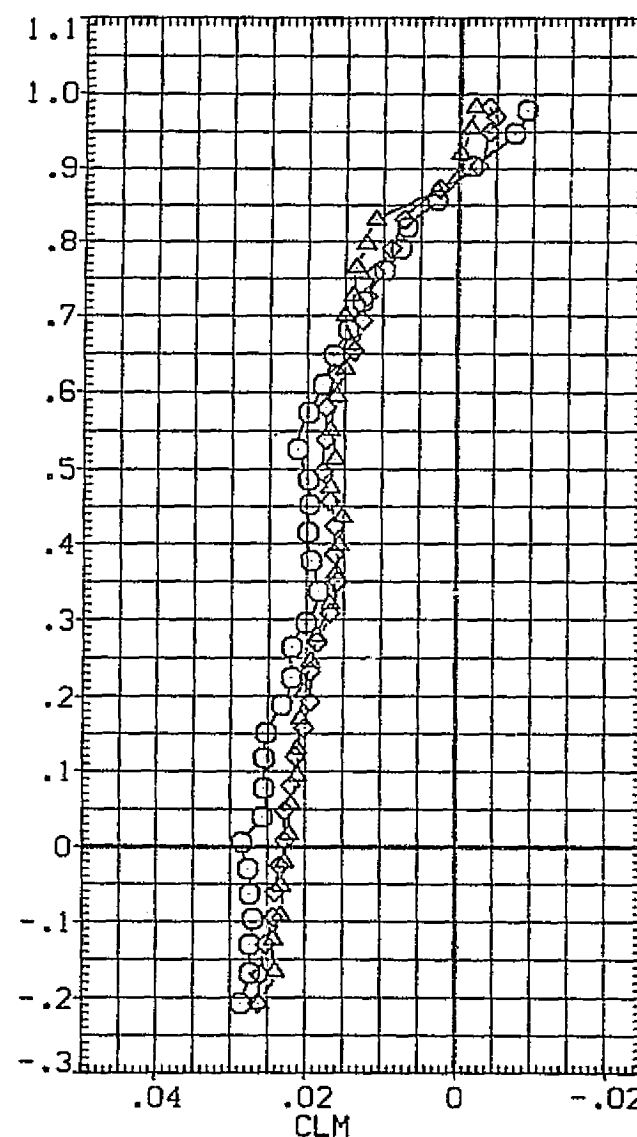
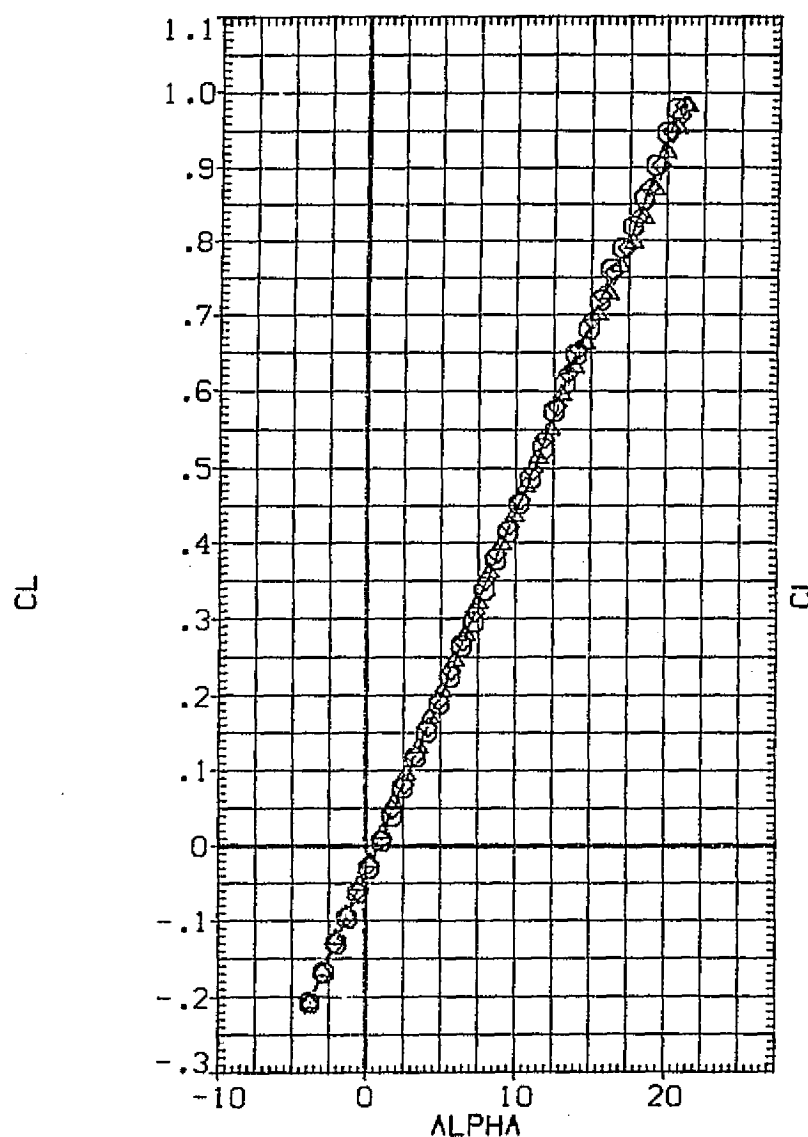


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0001)	LA67 (LTV 552) ORBITER 49-0
(AF0002)	DATA NOT AVAILABLE
(AF0003)	LA67 (LTV 552) ORBITER 49-0
(AF0004)	LA67 (LTV 552) ORBITER 49-0
(AF0005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ. FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

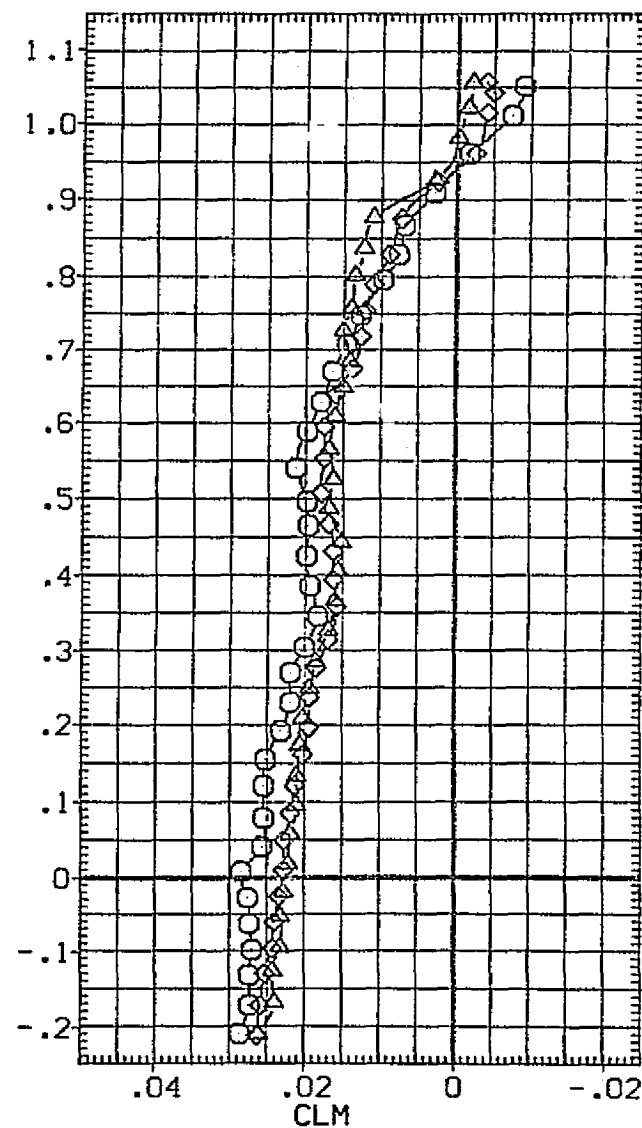
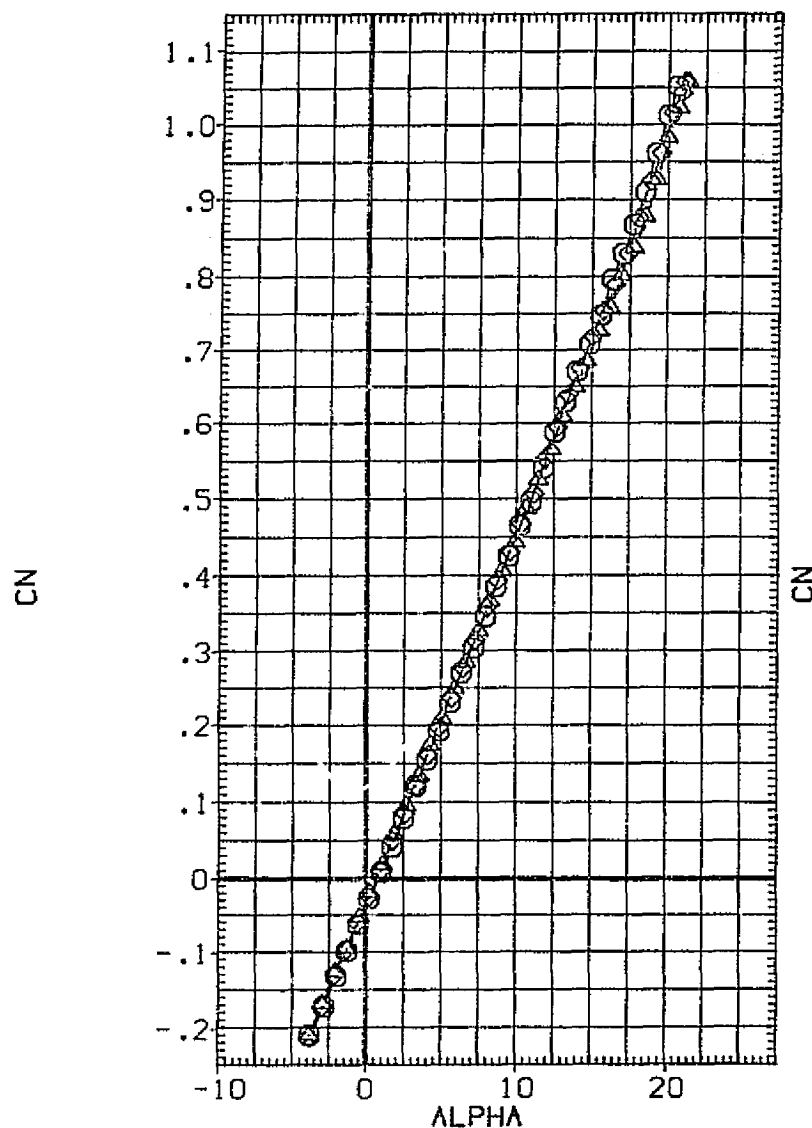


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	LAG7 (LTV 552) ORBITER 49-0
(AFD002)	DATA NOT AVAILABLE
(AFD003)	LAG7 (LTV 552) ORBITER 49-0
(AFD004)	LAG7 (LTV 552) ORBITER 49-0
(AFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ. FT.
6.000	.300	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

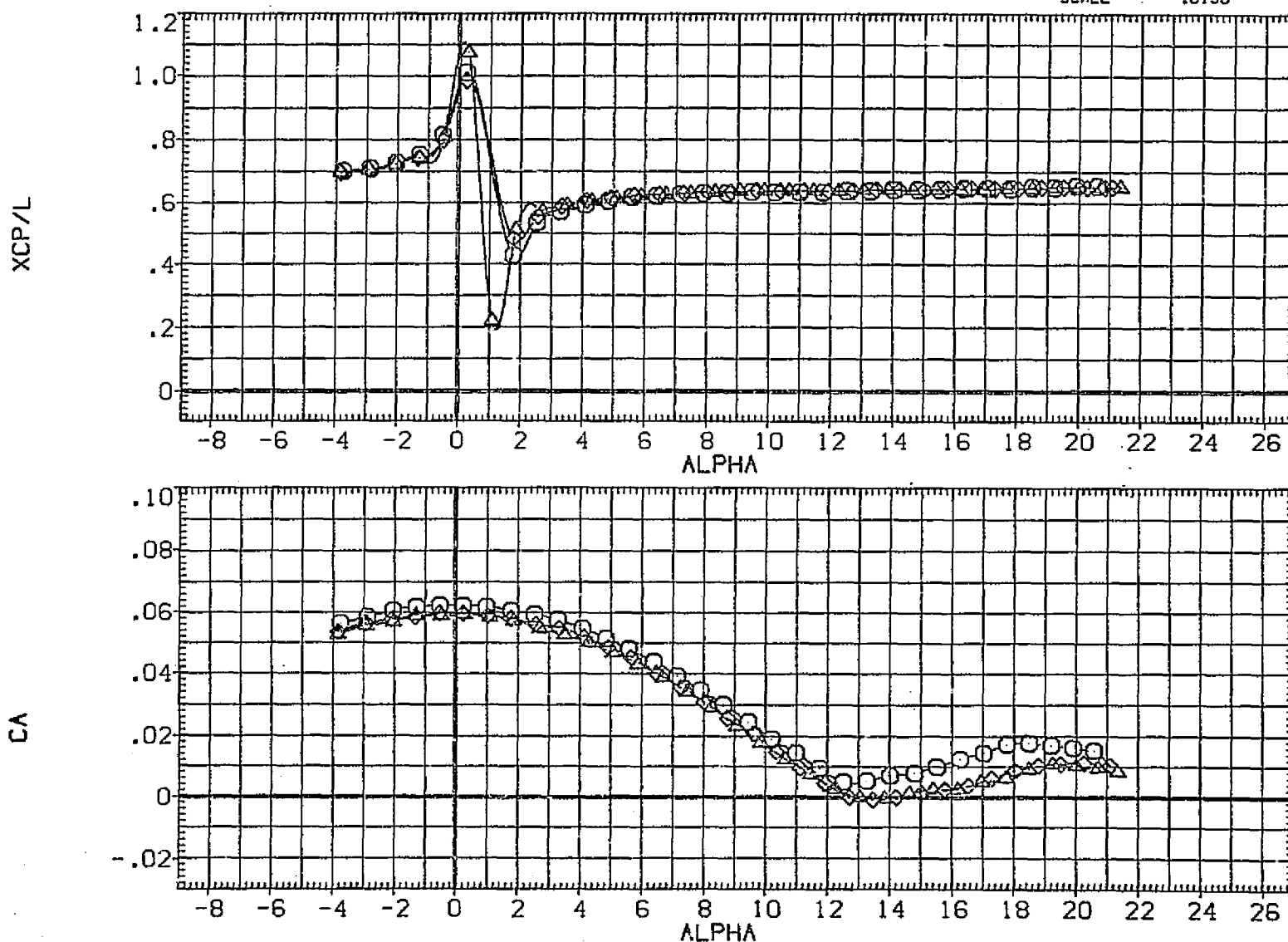


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	LA67 (LTV 552) ORBITER 49-0
(AFD002)	DATA NOT AVAILABLE
(AFD003)	LA67 (LTV 552) ORBITER 49-0
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

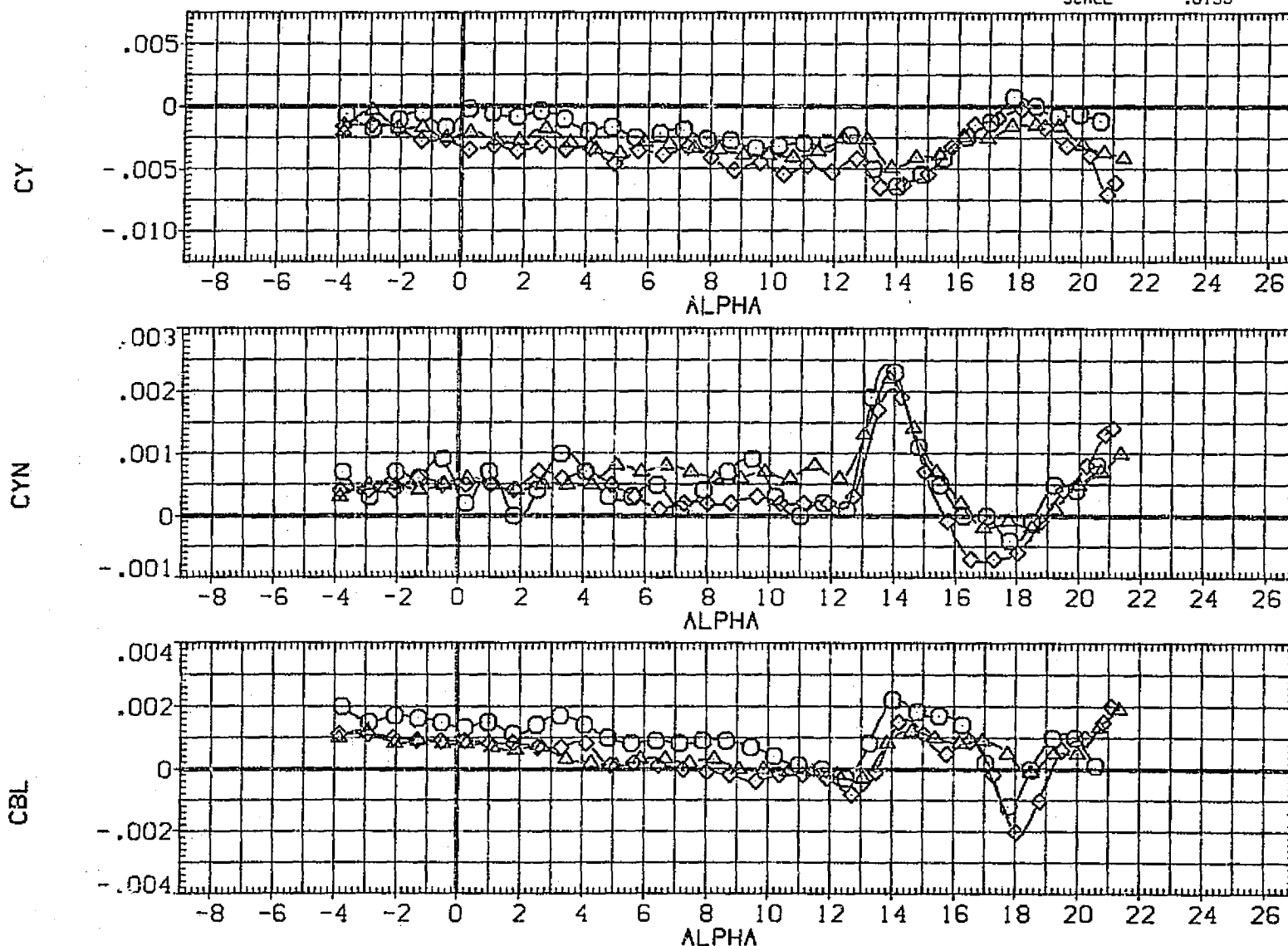


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
(AFD001)	LAG7 (LTV 552) ORBITER 49-0	5.000	.000	.000	.000	SREF	2690.0000	50. FT.
(AFD002)	DATA NOT AVAILABLE	6.000	.000	.000	.000	LREF	474.8000	INCHES
(AFD003)	LAG7 (LTV 552) ORBITER 49-0	7.500	.000	.000	.000	BREF	936.7000	INCHES
(AFD004)	LAG7 (LTV 552) ORBITER 49-0	10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
(AFD005)	DATA NOT AVAILABLE	12.000	.000	.000	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

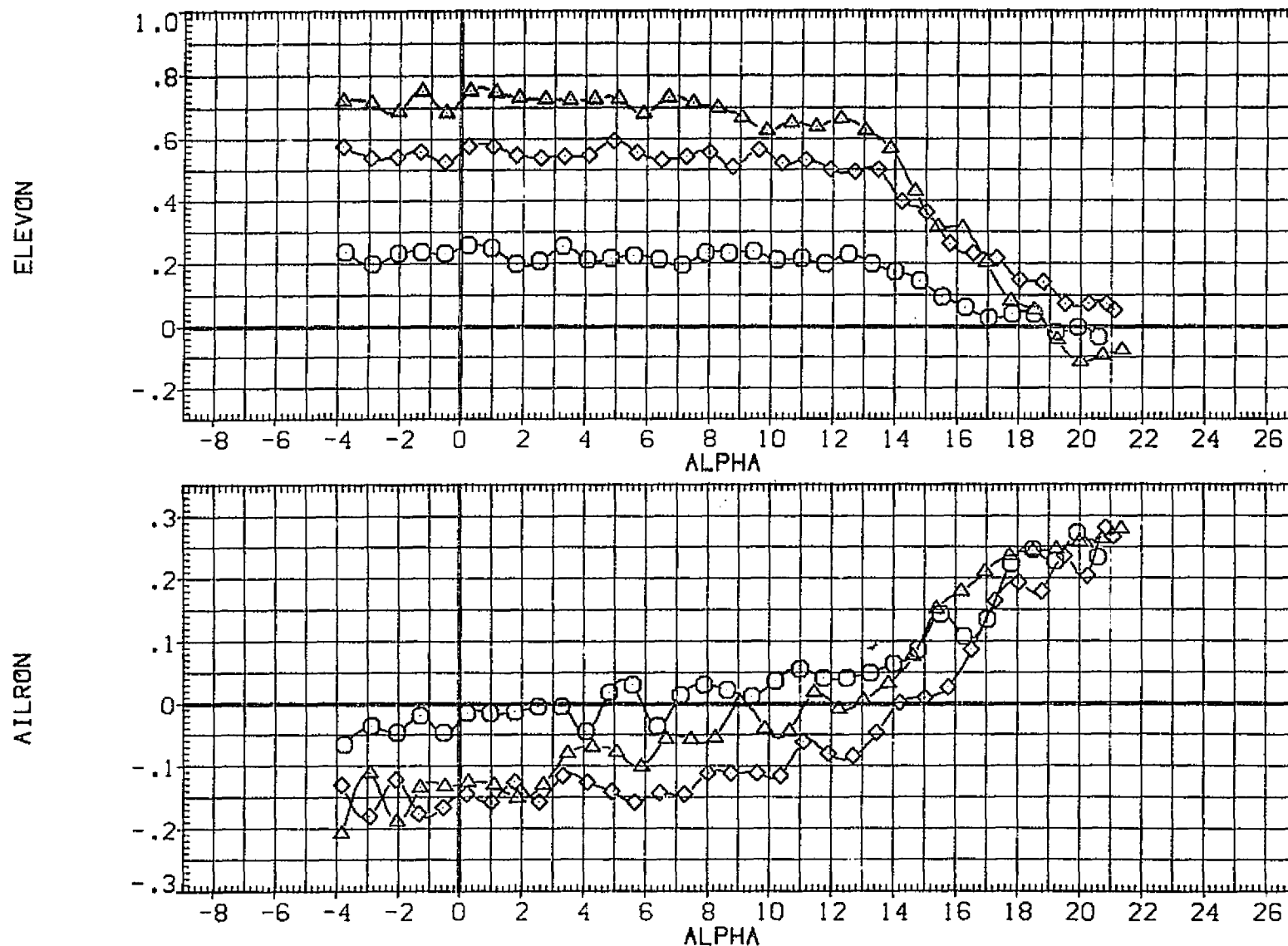


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	LA67 (LTV 552) ORBITER 49-0
(SFD002)	DATA NOT AVAILABLE
(SFD003)	LA67 (LTV 552) ORBITER 49-0
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

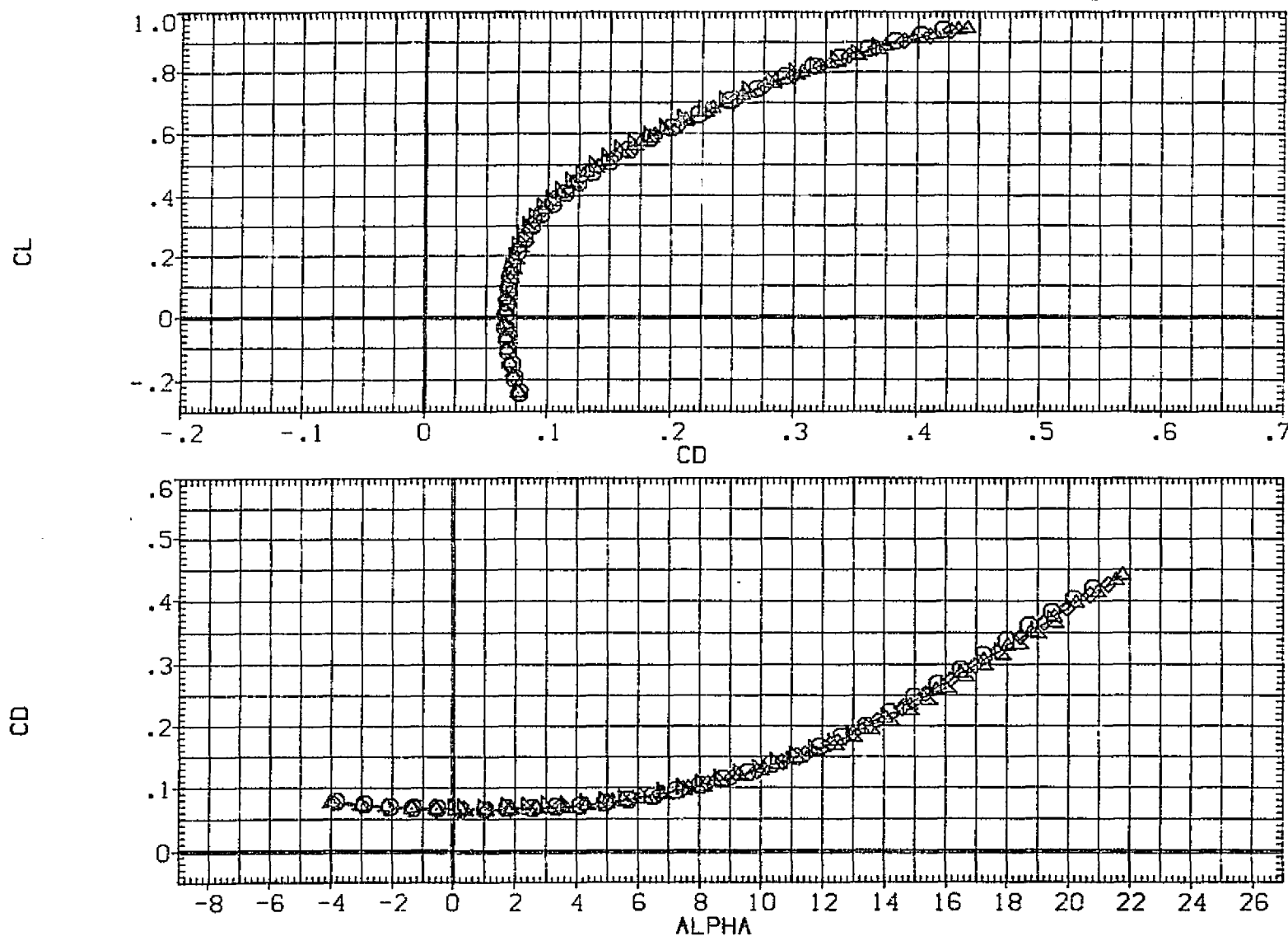


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
(SFD001)	LA67 (LTV 552) ORBITER 49-0	5.000	.000	.000	.000	SREF	2690.0000	SQ.FT.
(SFD002)	DATA NOT AVAILABLE	6.000	.000	.000	.000	LREF	474.8000	INCHES
(SFD003)	LA67 (LTV 552) ORBITER 49-0	7.500	.000	.000	.000	BREF	936.7000	INCHES
(SFD004)	LA67 (LTV 552) ORBITER 49-0	10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
(SFD005)	LA67 (LTV 552) ORBITER 49-0	12.000	.000	.000	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

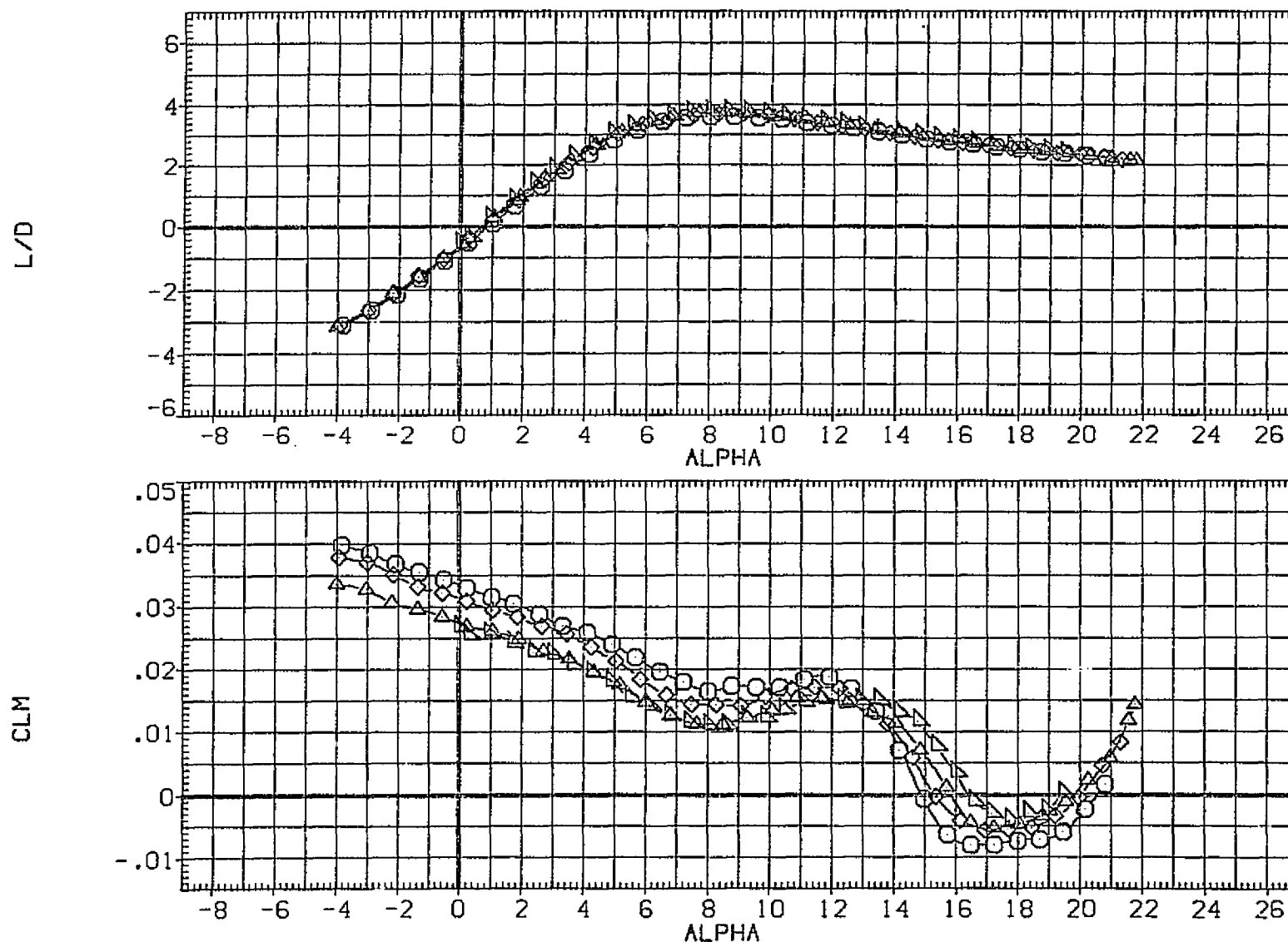


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0001) \square	LA67 (LTV 552) ORBITER 49-0
(SF0002) \square	DATA NOT AVAILABLE
(SF0003) \triangle	LA67 (LTV 552) ORBITER 49-0
(SF0004) \triangle	LA67 (LTV 552) ORBITER 49-0
(SF0005) \triangle	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
5.000	.000	.000	.000	SREF	2690.0000 SQ. FT.
6.000	.000	.000	.000	LREF	474.8000 INCHES
7.500	.000	.000	.000	BREF	936.7000 INCHES
10.000	.000	.000	.000	XMRP	1076.7000 IN. X0
12.000	.000	.000	.000	YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

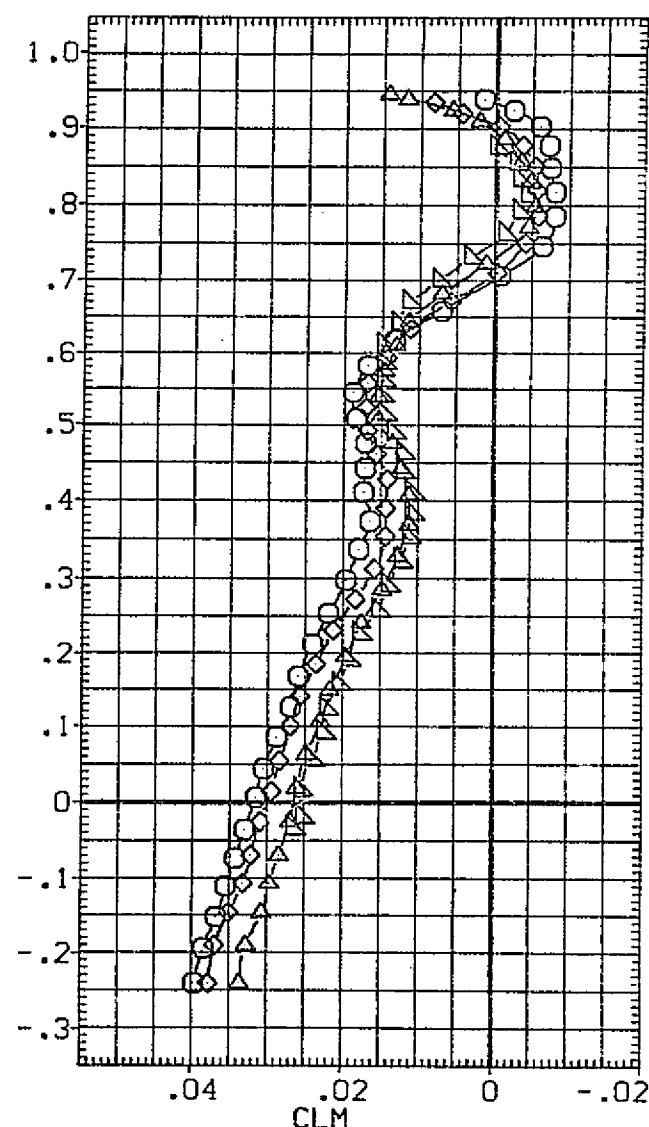
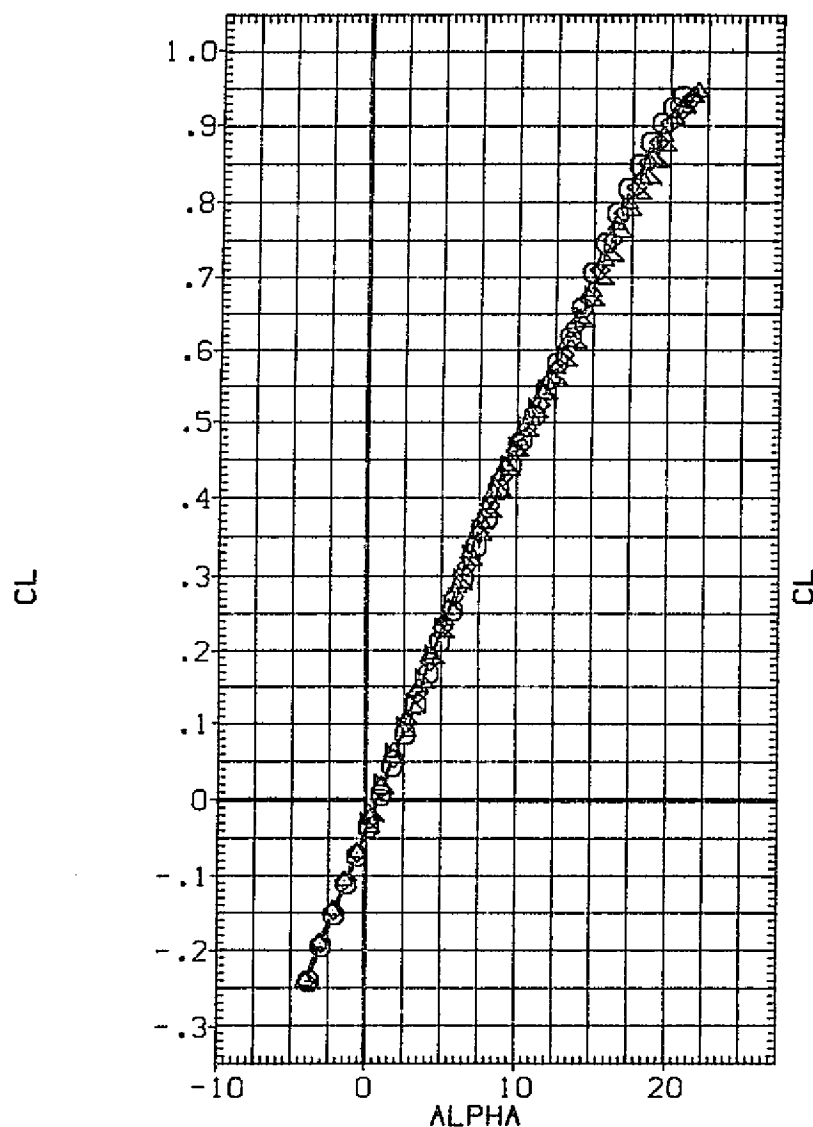


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	LA67 (LTV 552) ORBITER 49-0
(AFD002)	DATA NOT AVAILABLE
(AFD003)	LA67 (LTV 552) ORBITER 49-0
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	.000	SREF	2690.0000	SQ.FT.
6.000	.000	.000	.000	LREF	474.8000	INCHES
7.500	.000	.000	.000	BREF	936.7000	INCHES
10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

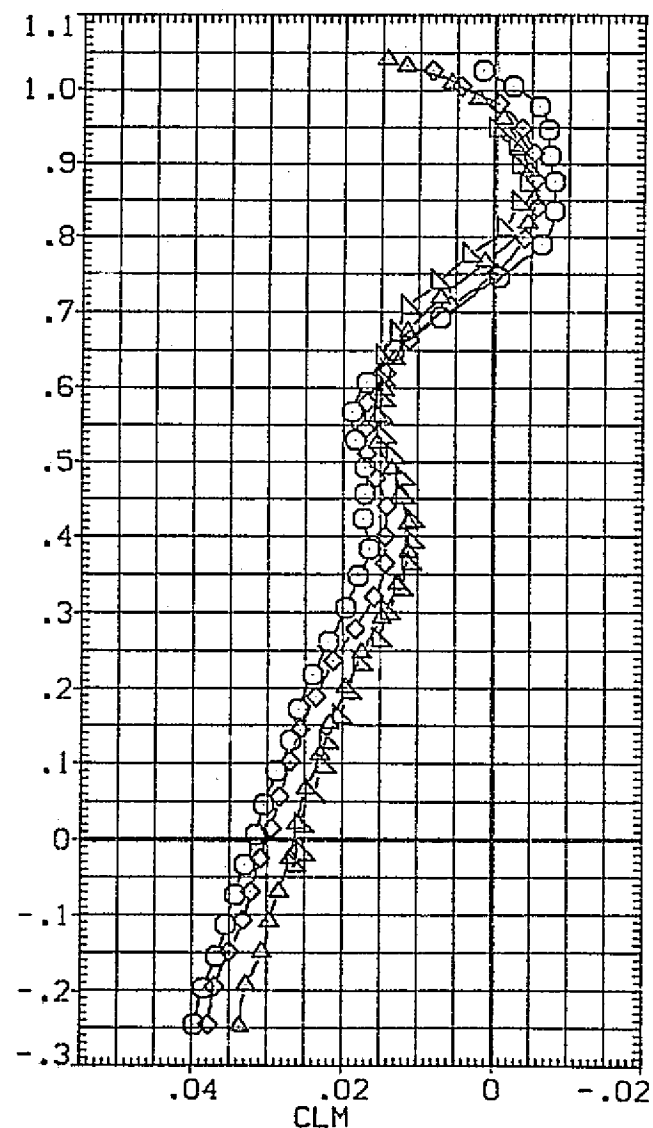
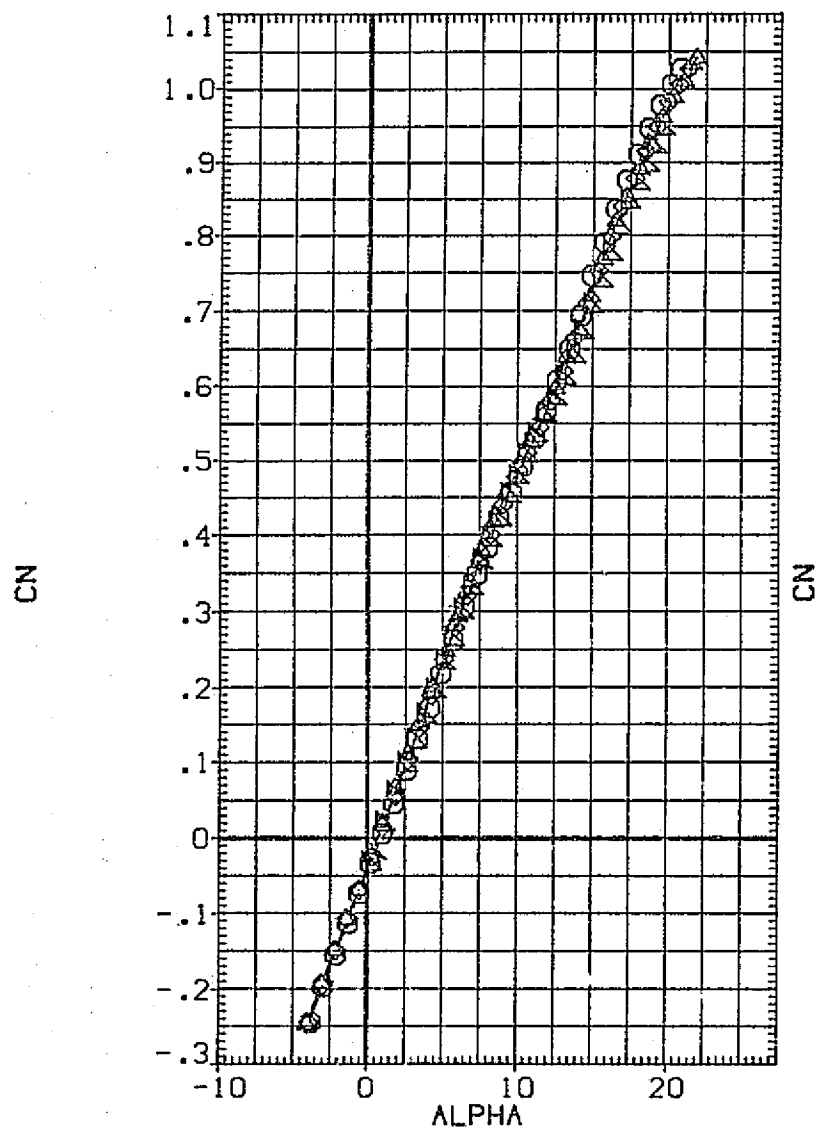


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	LA67 (LTV 552) ORBITER 49-0
(AFD002)	DATA NOT AVAILABLE
(AFD003)	LA67 (LTV 552) ORBITER 49-0
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ. FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. XO
12.000	.000	.000	.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

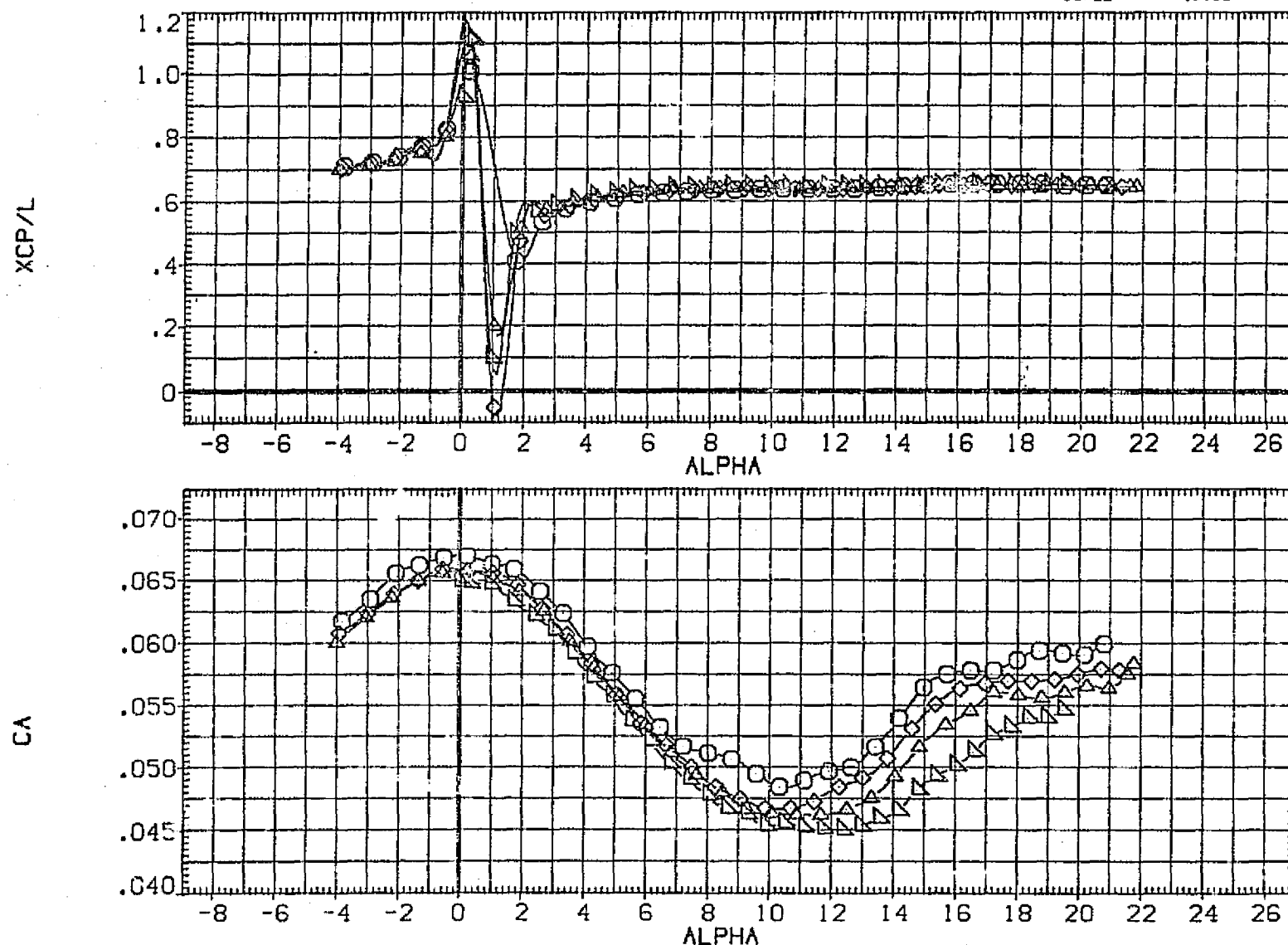


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
(AFD001)	LA67 (LTV 552) ORBITER 49-0	5.000	.000	.000	.000	SREF	2690.0000	SO.FT.
(AFD002)	DATA NOT AVAILABLE	6.000	.000	.000	.000	LREF	474.8000	INCHES
(AFD003)	LA67 (LTV 552) ORBITER 49-0	7.500	.000	.000	.000	BREF	936.7000	INCHES
(AFD004)	LA67 (LTV 552) ORBITER 49-0	10.000	.000	.000	.000	XMRP	1076.7000	IN. XO
(AFD005)	LA67 (LTV 552) ORBITER 49-0	12.000	.000	.000	.000	YMRP	.0000	IN. YO
						ZMRP	375.0000	IN. ZO
						SCALE	.0150	

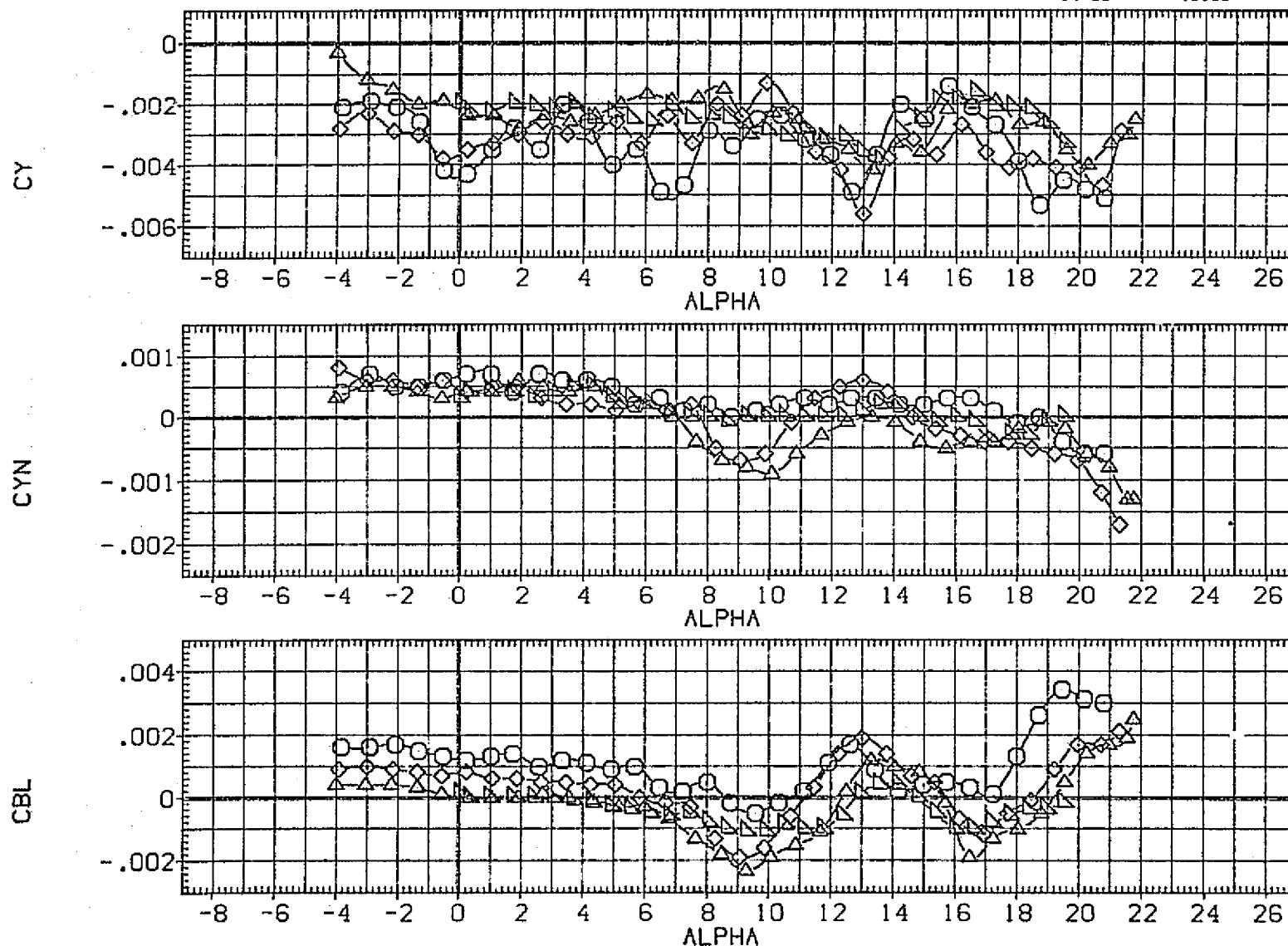


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	LA67 (LTV 552) ORBITER 49-0
(AFD002)	DATA NOT AVAILABLE
(AFD003)	LA67 (LTV 552) ORBITER 49-0
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. XC
12.000	.000	.000	.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

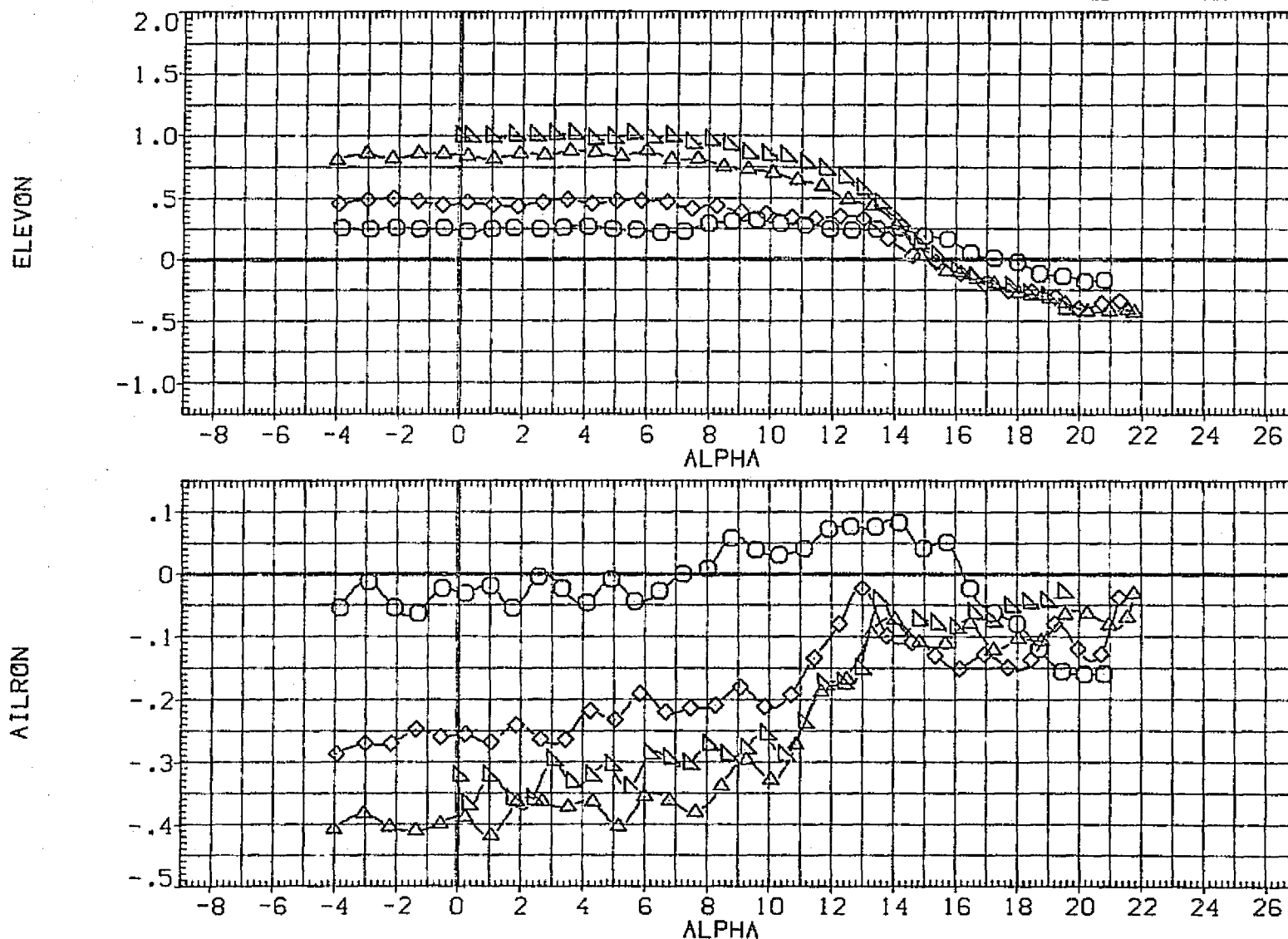


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	DATA NOT AVAILABLE
(SFD002)	LA67 (LTV 552) ORBITER 49-0
(SFD003)	DATA NOT AVAILABLE
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

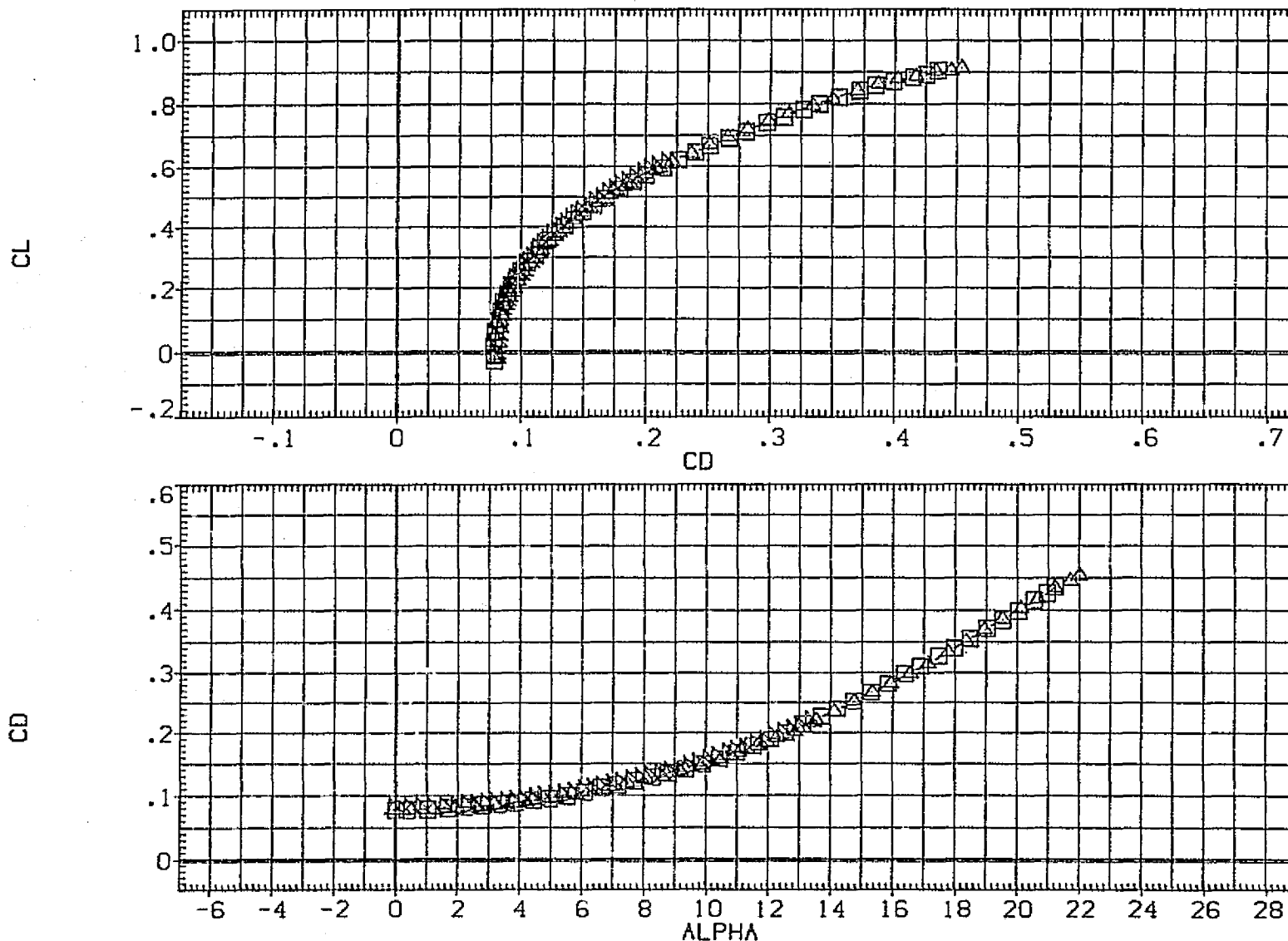


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	DATA NOT AVAILABLE
(SFD002)	LA67 (LTV 552) ORBITER 49-0
(SFD003)	DATA NOT AVAILABLE
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	CREF 2000.0000 SQ. FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

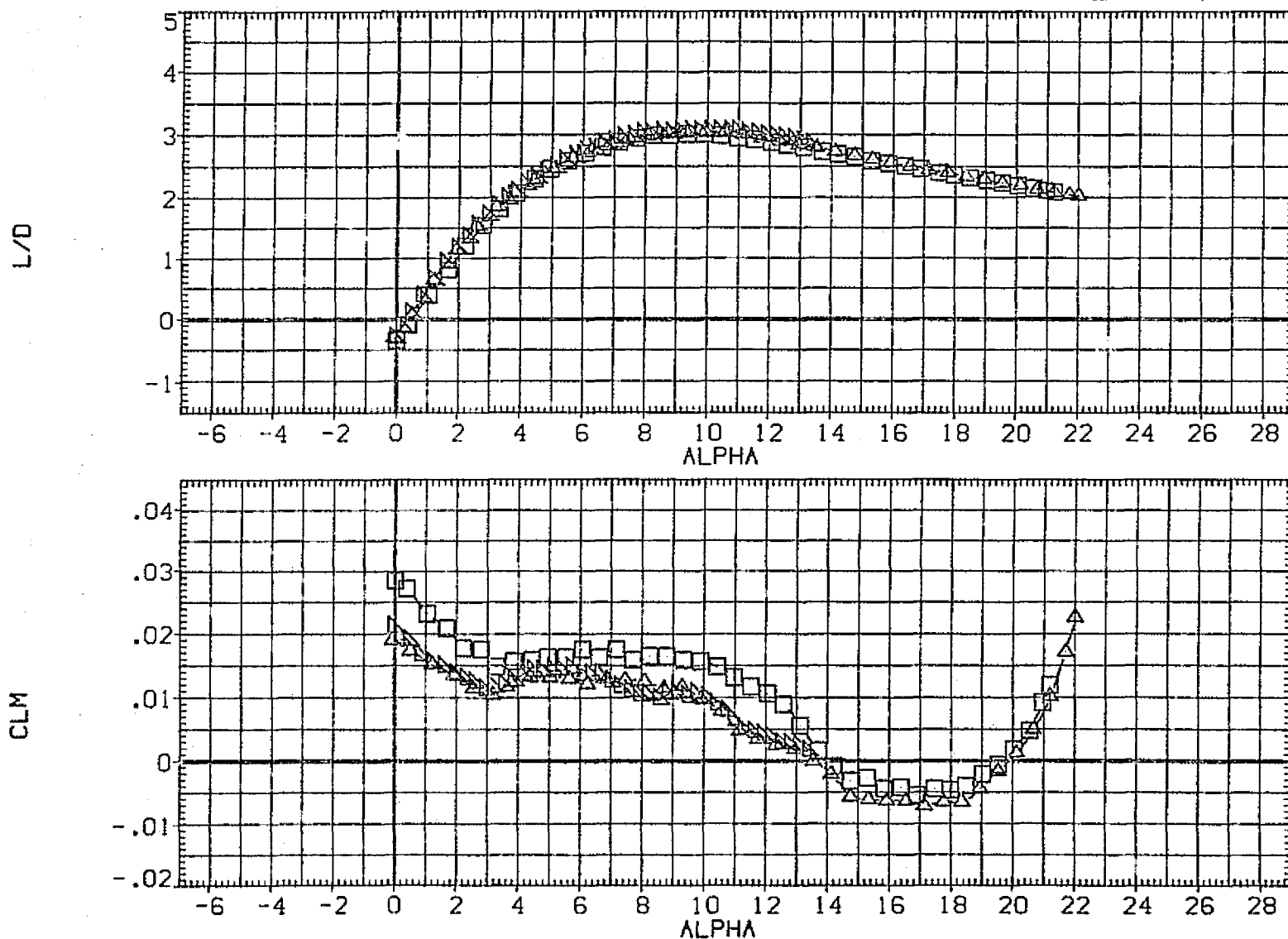


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	DATA NOT AVAILABLE
(SFD002)	LA67 (LTV 552) ORBITER 49-0
(SFD003)	DATA NOT AVAILABLE
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	.000	SREF	2690.0000	50.FT.
6.000	.000	.000	.000	LREF	474.8000	INCHES
7.500	.000	.000	.000	BREF	936.7000	IN. X0
10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

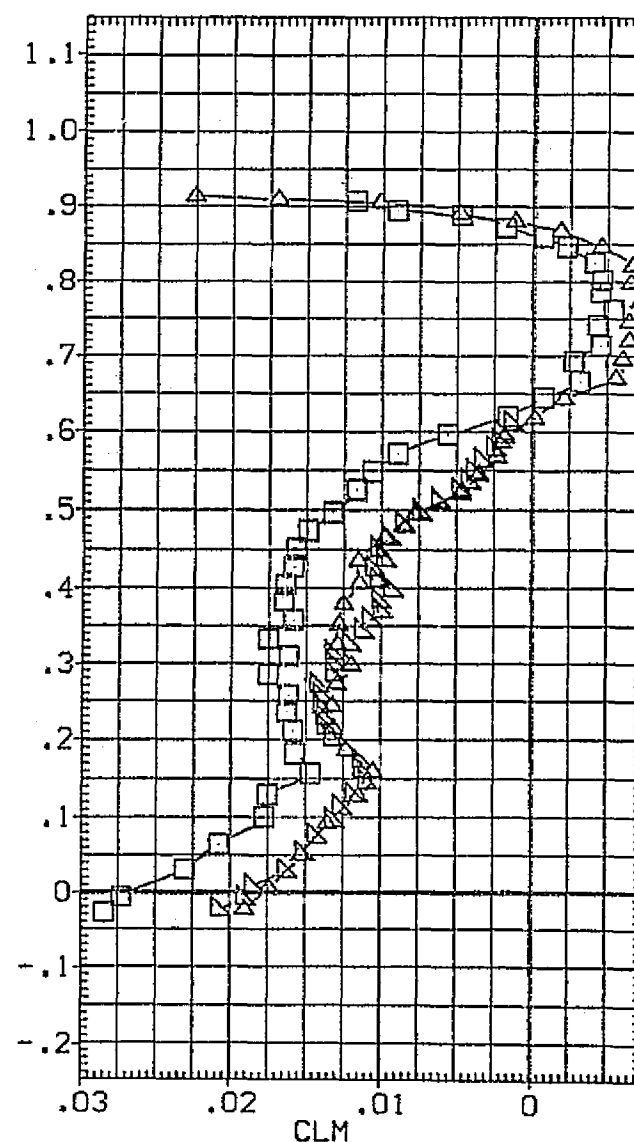
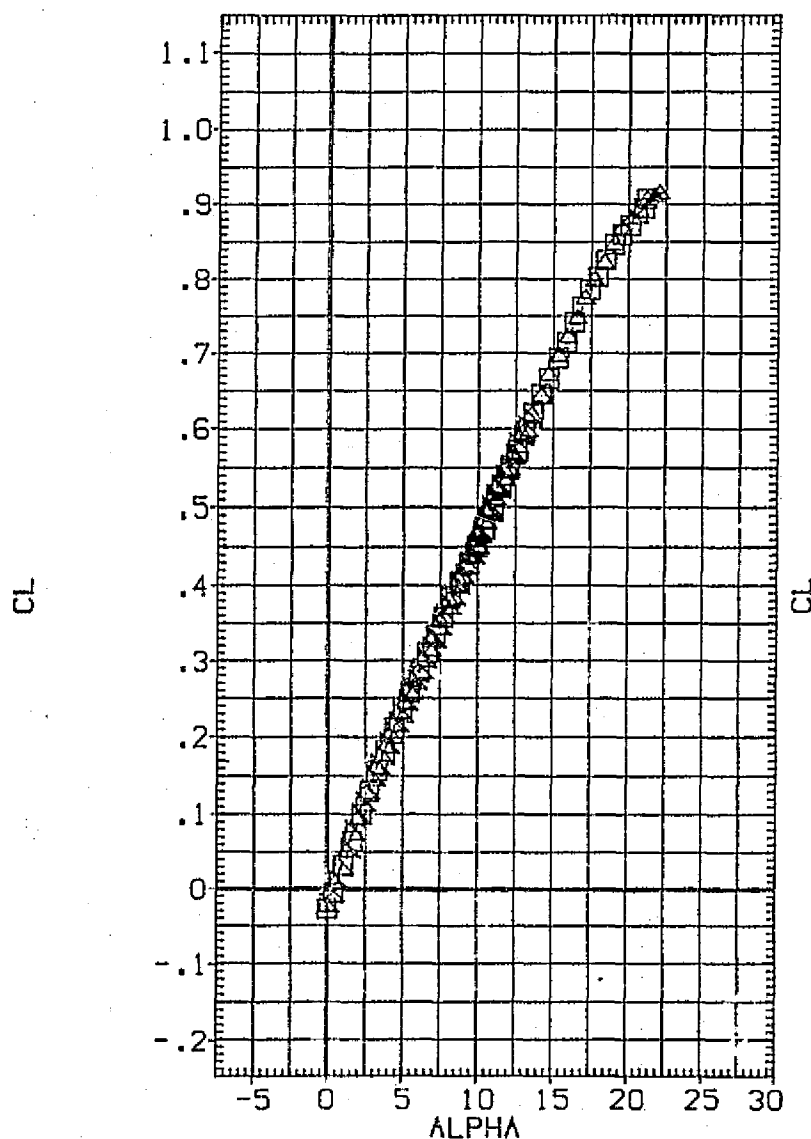


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	DATA NOT AVAILABLE
(AFD002)	LA67 (LTV 552) ORBITER 49-0
(AFD003)	DATA NOT AVAILABLE
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	.000	SREF	2690.0000	50.FT.
6.000	.000	.000	.000	LREF	474.8000	INCHES
7.500	.000	.000	.000	BREF	936.7000	INCHES
10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

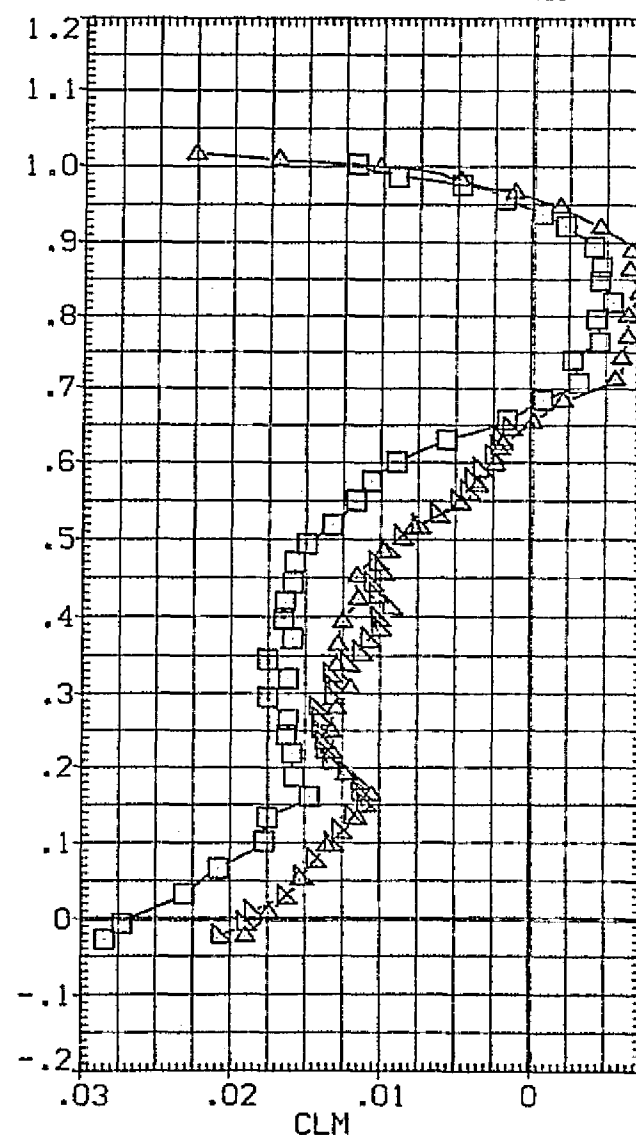
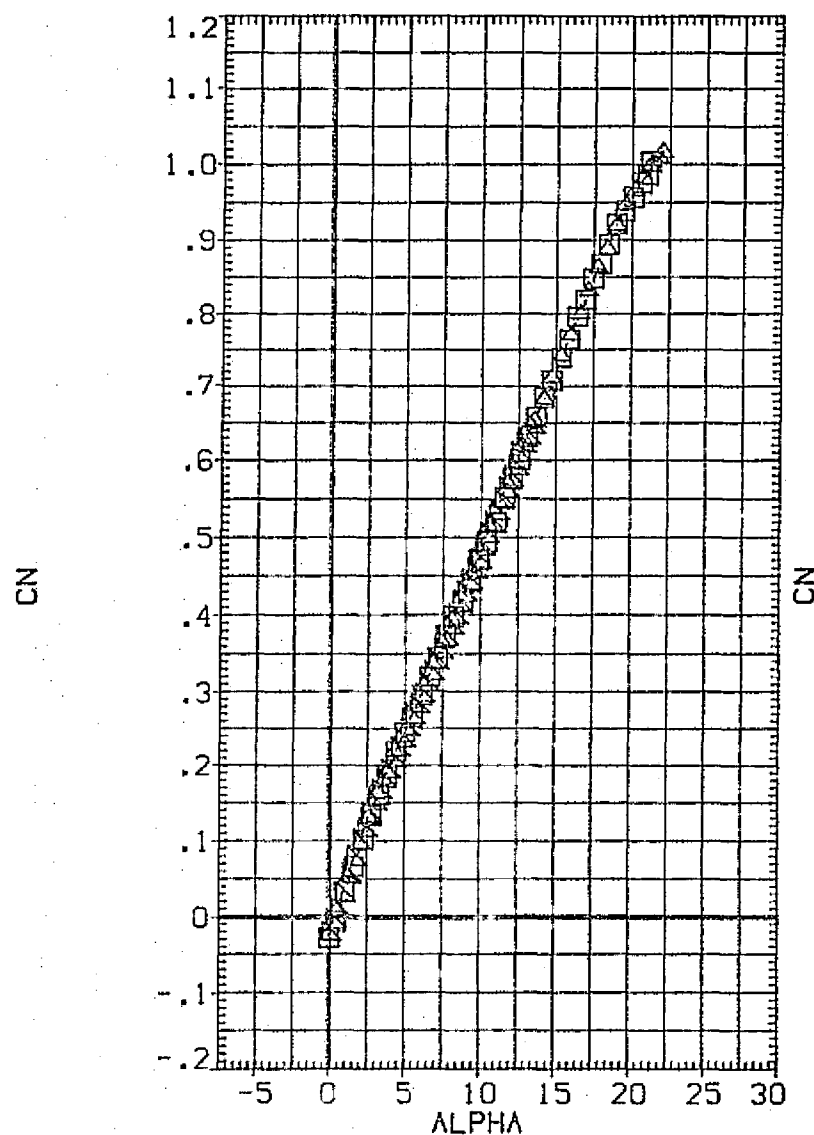


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	DATA NOT AVAILABLE
(AFD002)	LA67 (LTV 552) ORBITER 49-0
(AFD003)	DATA NOT AVAILABLE
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	.000	SREF	2690.0000	SQ.FT.
6.000	.000	.000	.000	LREF	474.8000	INCHES
7.500	.000	.000	.000	BREF	936.7000	INCHES
10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

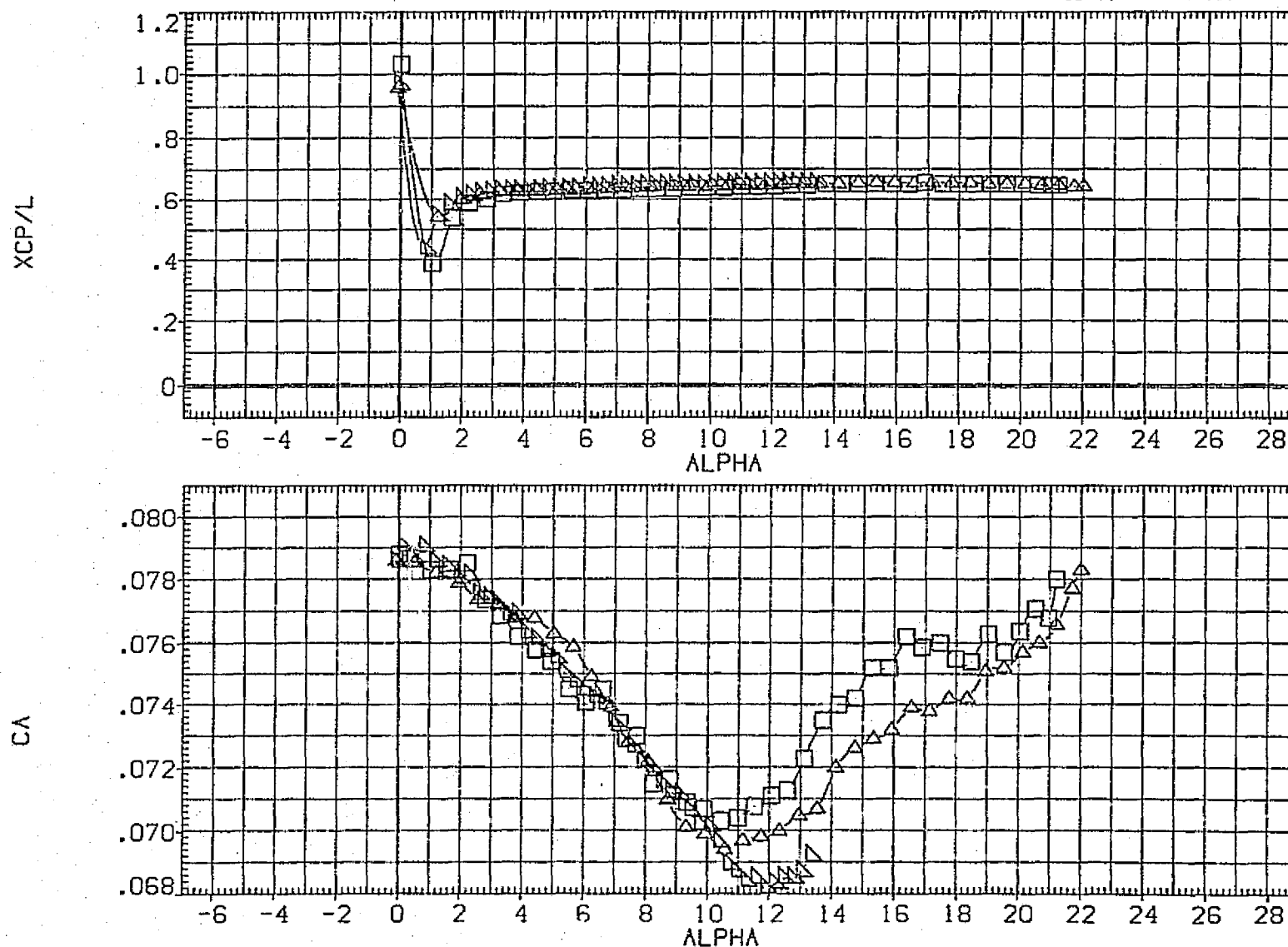


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	DATA NOT AVAILABLE
(AFD002)	LAG7 (LTV 552) ORBITER 49-0
(AFD003)	DATA NOT AVAILABLE
(AFD004)	LAG7 (LTV 552) ORBITER 49-0
(AFD005)	LAG7 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

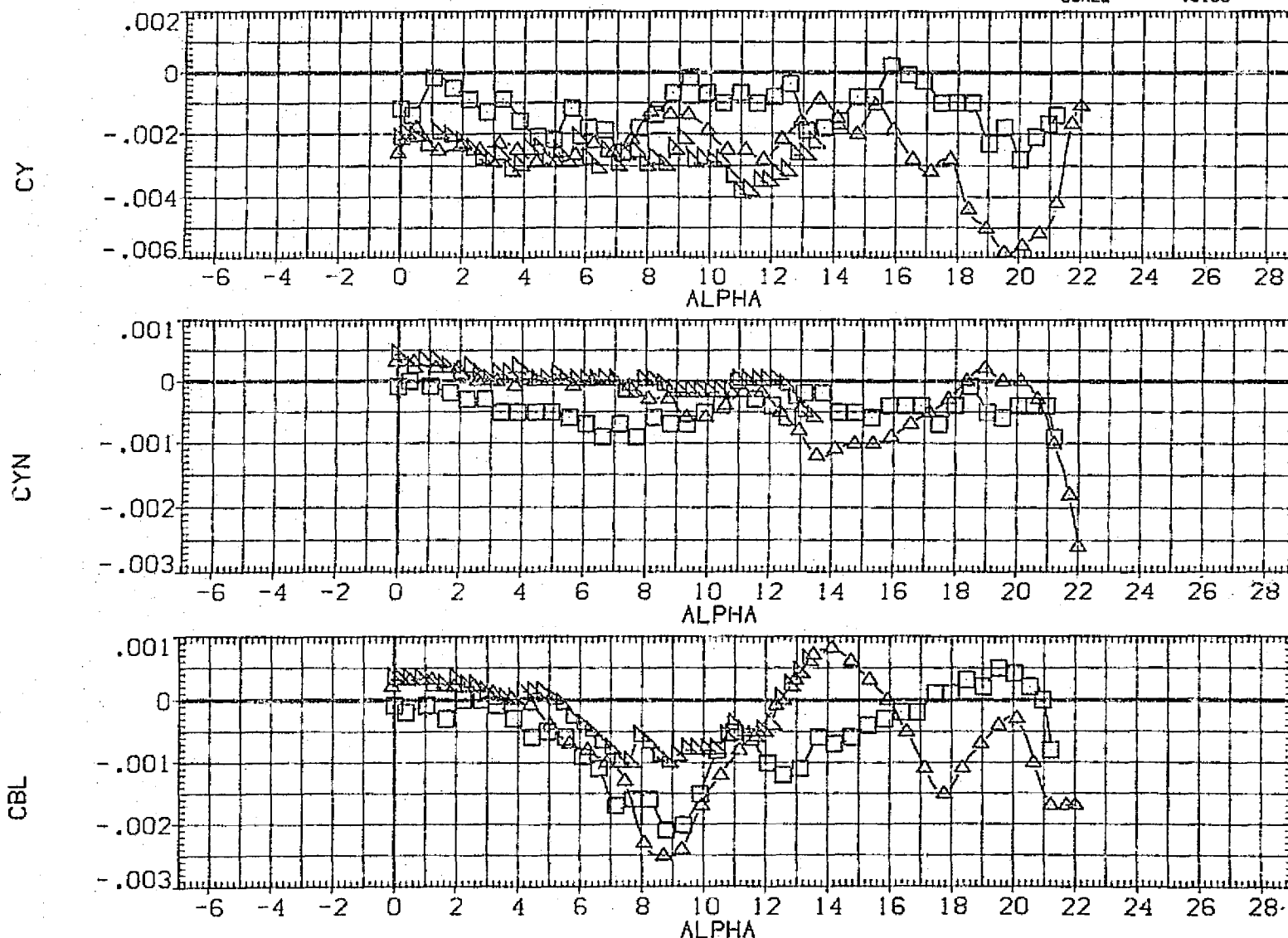


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	DATA NOT AVAILABLE
(AFD002)	LA67 (LTV 552) ORBITER 49-0
(AFD003)	DATA NOT AVAILABLE
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. XO
12.000	.000	.000	.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

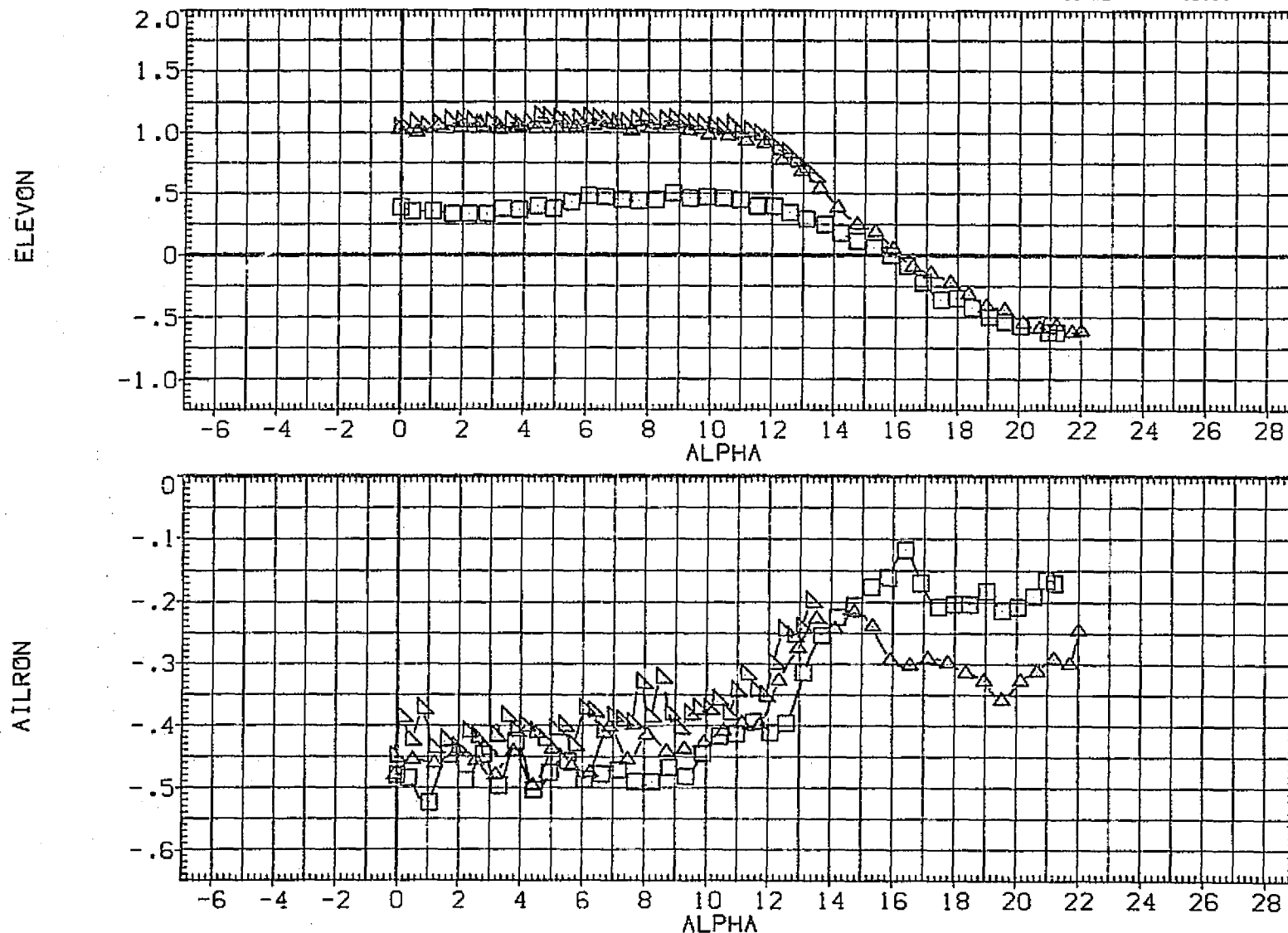


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	DATA NOT AVAILABLE
(SFD002)	LA67 (LTV 552) ORBITER 49-0
(SFD003)	DATA NOT AVAILABLE
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

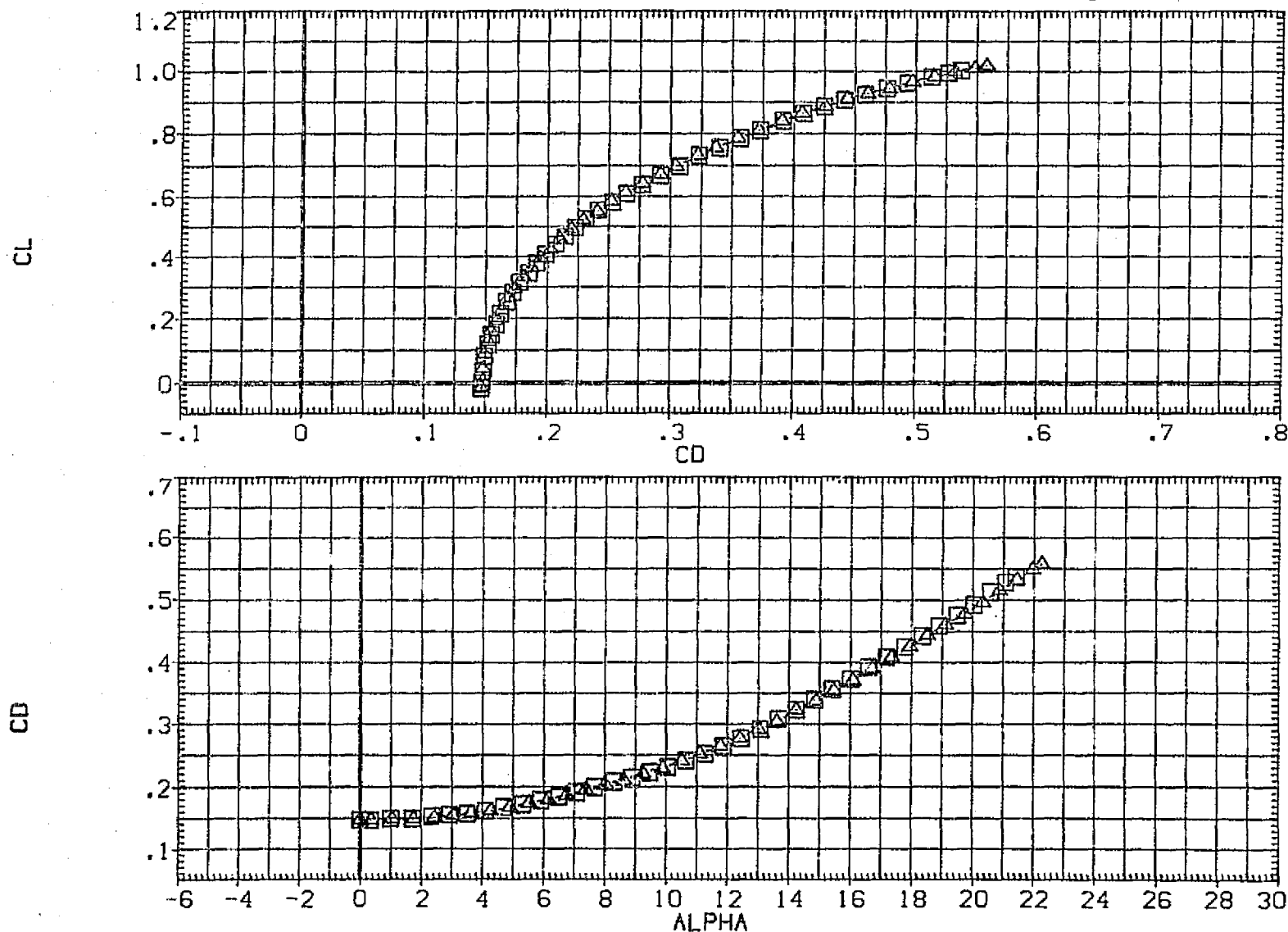


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD001)	DATA NOT AVAILABLE
(SFD002)	LA67 (LTV 552) ORBITER 49-0
(SFD003)	DATA NOT AVAILABLE
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

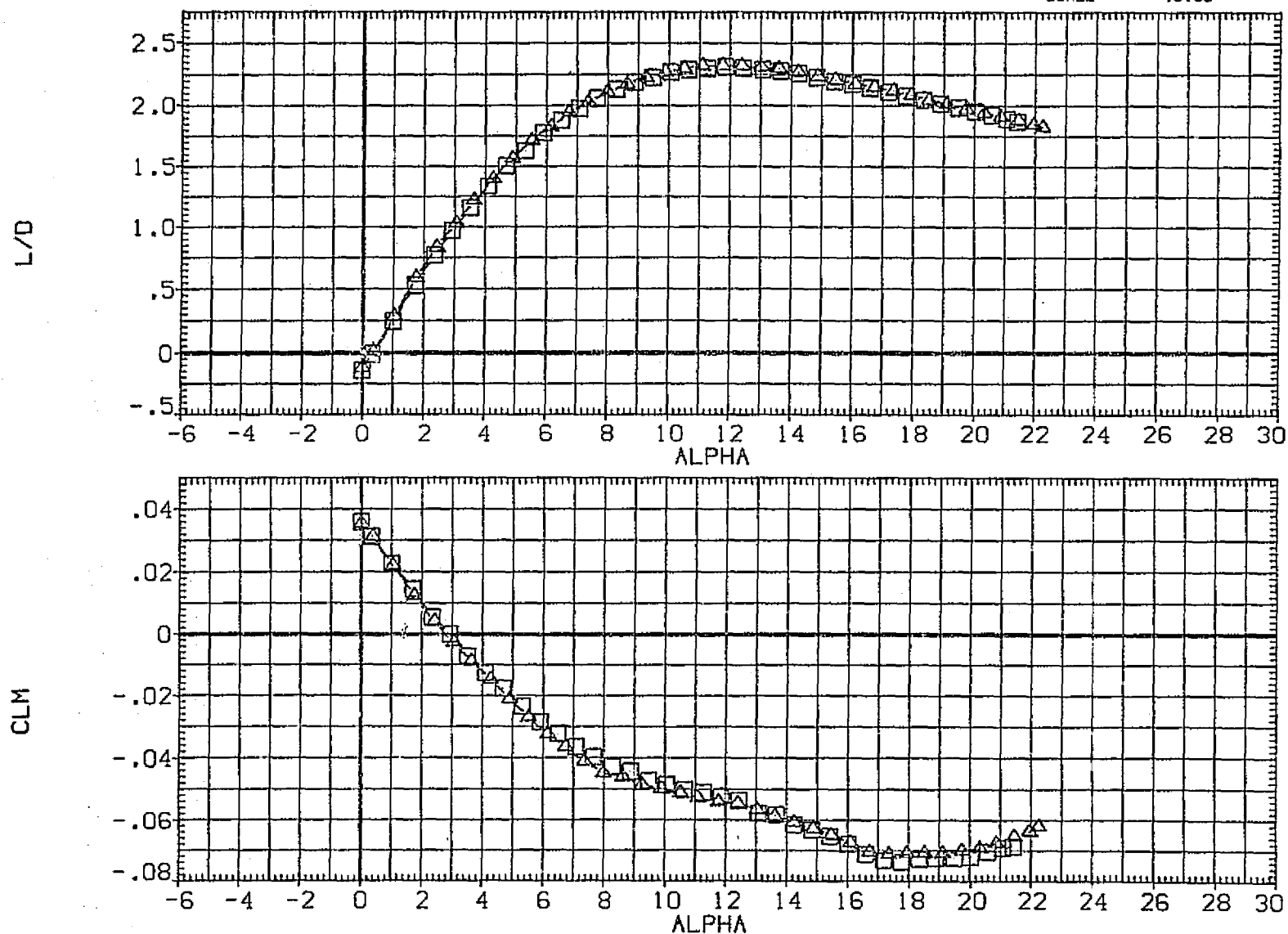


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0001)	DATA NOT AVAILABLE
(SF0002)	LAG7 (LTV 552) ORBITER 49-0
(SF0003)	DATA NOT AVAILABLE
(SF0004)	LAG7 (LTV 552) ORBITER 49-0
(SF0005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

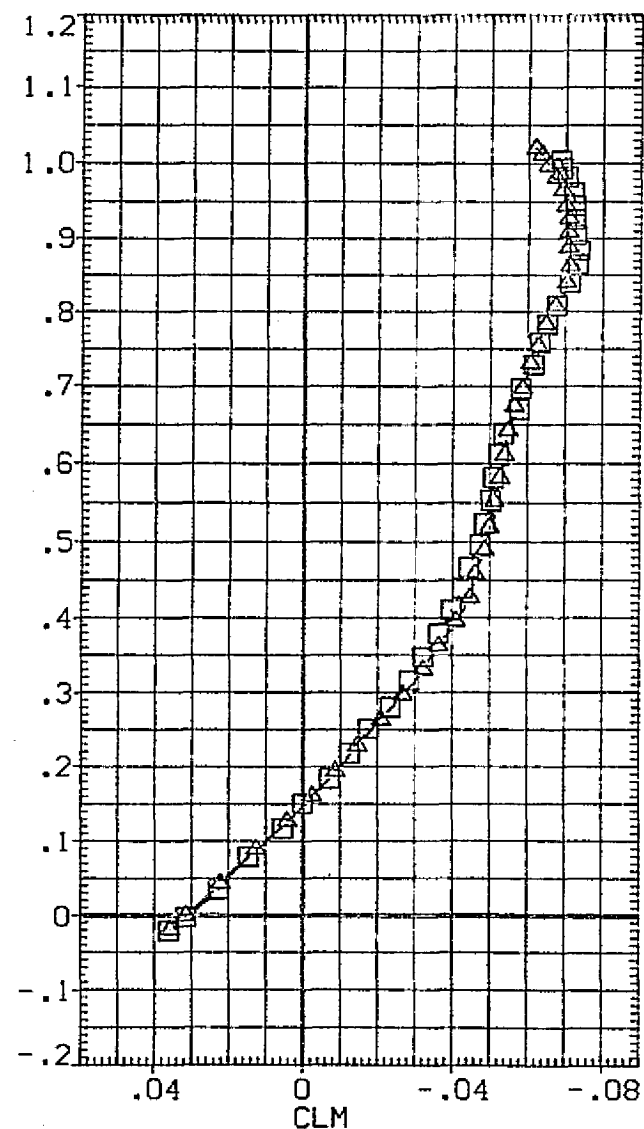
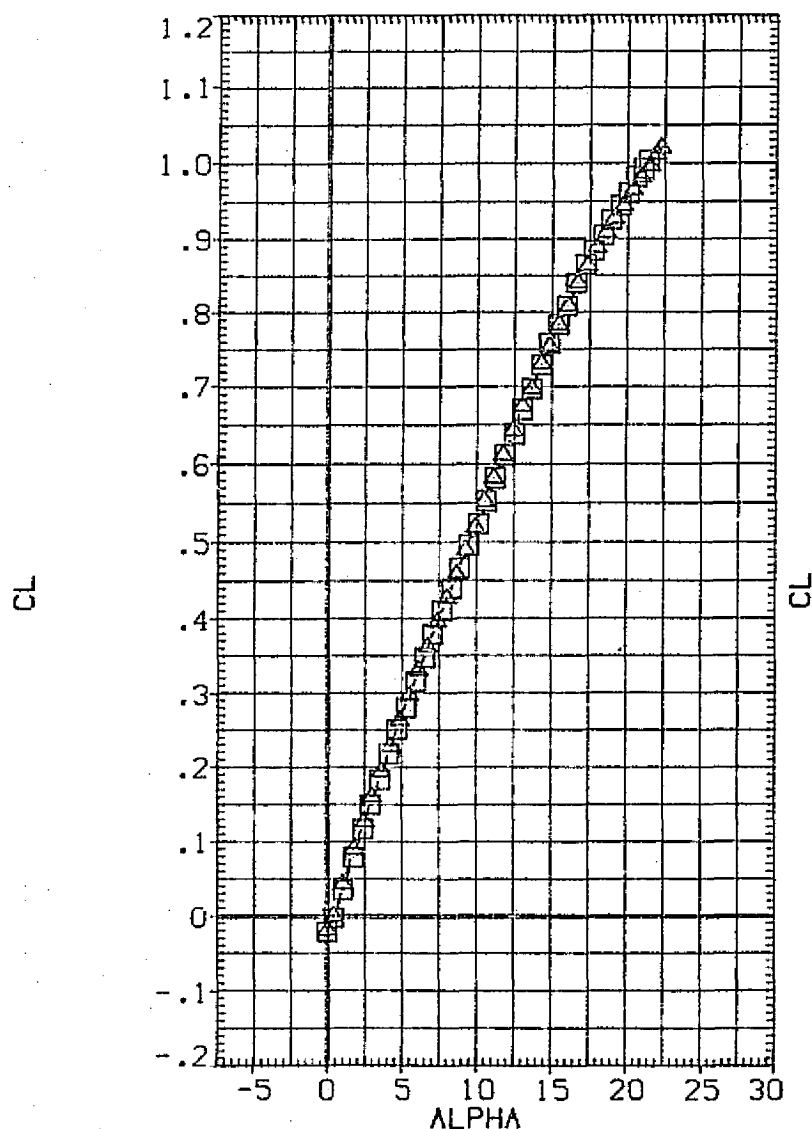


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	DATA NOT AVAILABLE
(AFD002)	LA67 (LTV 552) ORBITER 49-0
(AFD003)	DATA NOT AVAILABLE
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILERON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	.000	SREF	2690.0000	SQ.FT.
6.000	.000	.000	.000	LREF	474.8000	INCHES
7.500	.000	.000	.000	BREF	936.7000	INCHES
10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

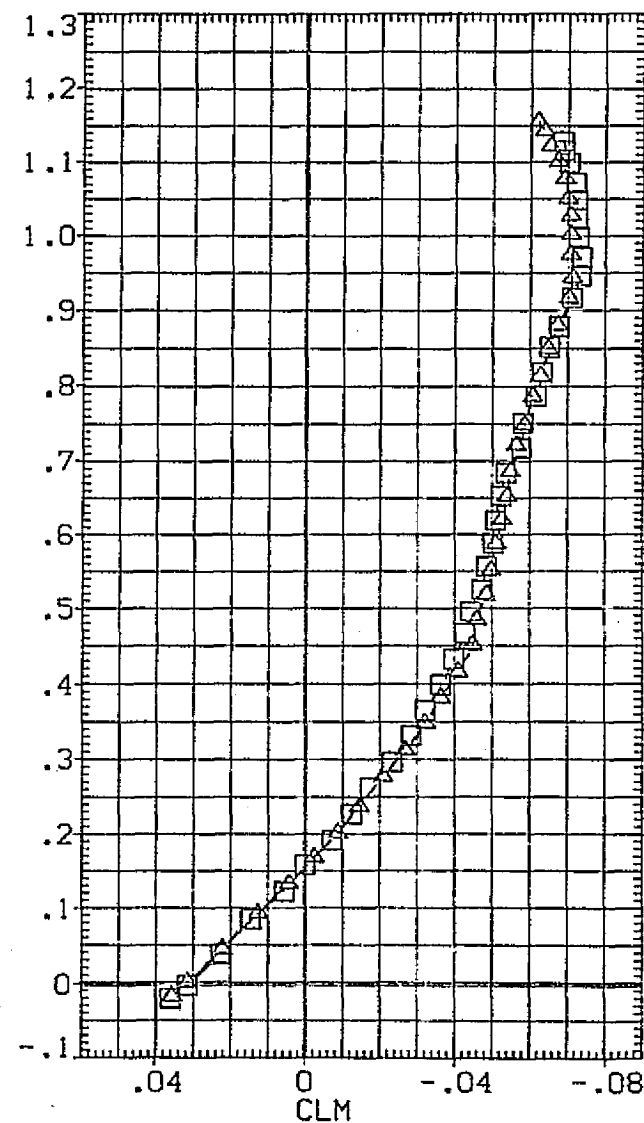
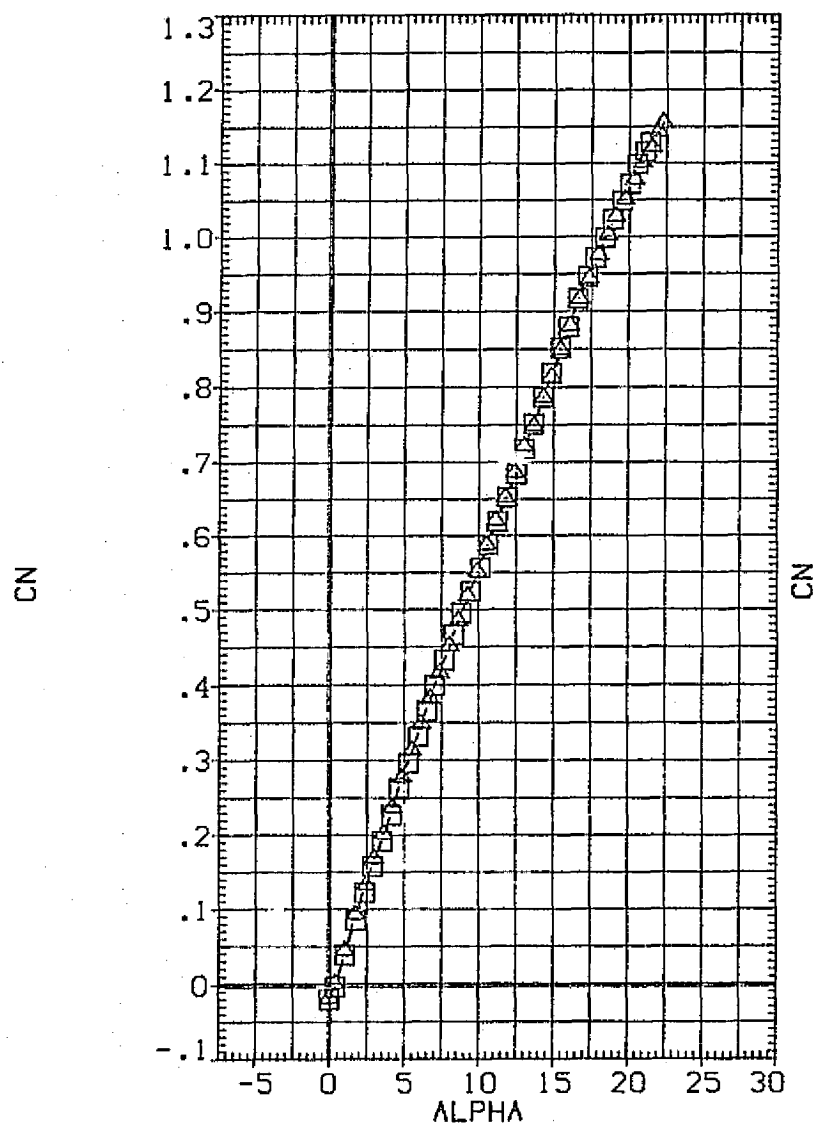


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD001)	DATA NOT AVAILABLE
(AFD002)	LA67 (LTV 552) ORBITER 49-0
(AFD003)	DATA NOT AVAILABLE
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	.000	SREF	2690.0000	50. FT.
6.000	.000	.000	.000	LREF	474.8000	INCHES
7.500	.000	.000	.000	BREF	936.7000	INCHES
10.000	.000	.000	.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

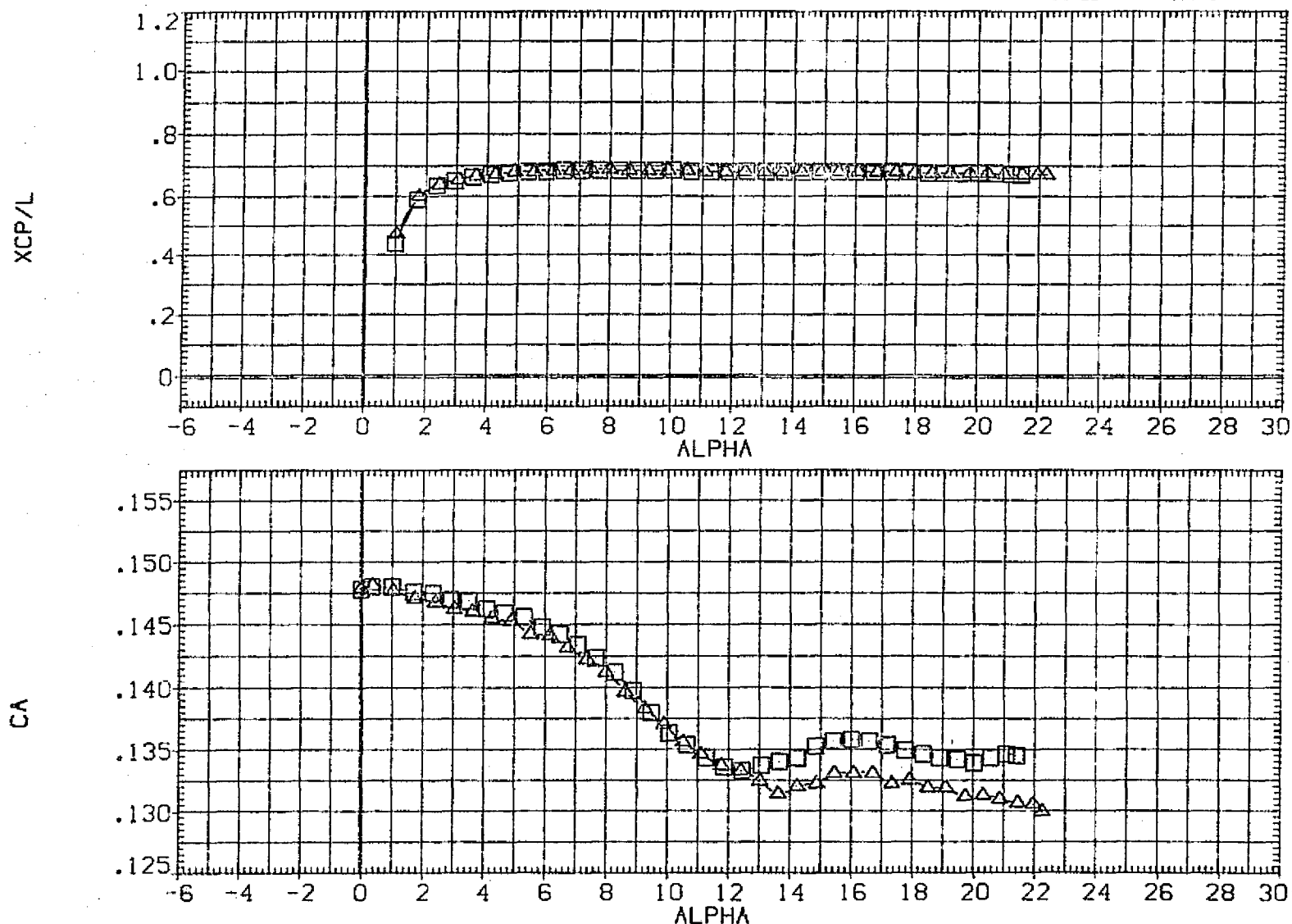


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
(AFD001)	DATA NOT AVAILABLE	5.000	.000	.000	.000	SREF	2690.0000 SQ.FT.
(AFD002)	LA67 (LTV 552) ORBITER 49-0	6.000	.000	.000	.000	LREF	474.8000 INCHES
(AFD003)	DATA NOT AVAILABLE	7.500	.000	.000	.000	BREF	936.7000 INCHES
(AFD004)	LA67 (LTV 552) ORBITER 49-0	10.000	.000	.000	.000	XMRP	1076.7000 IN. X0
(AFD005)	DATA NOT AVAILABLE	12.000	.000	.000	.000	YMRP	.0000 IN. Y0
						ZMRP	375.0000 IN. Z0
						SCALE	.0150

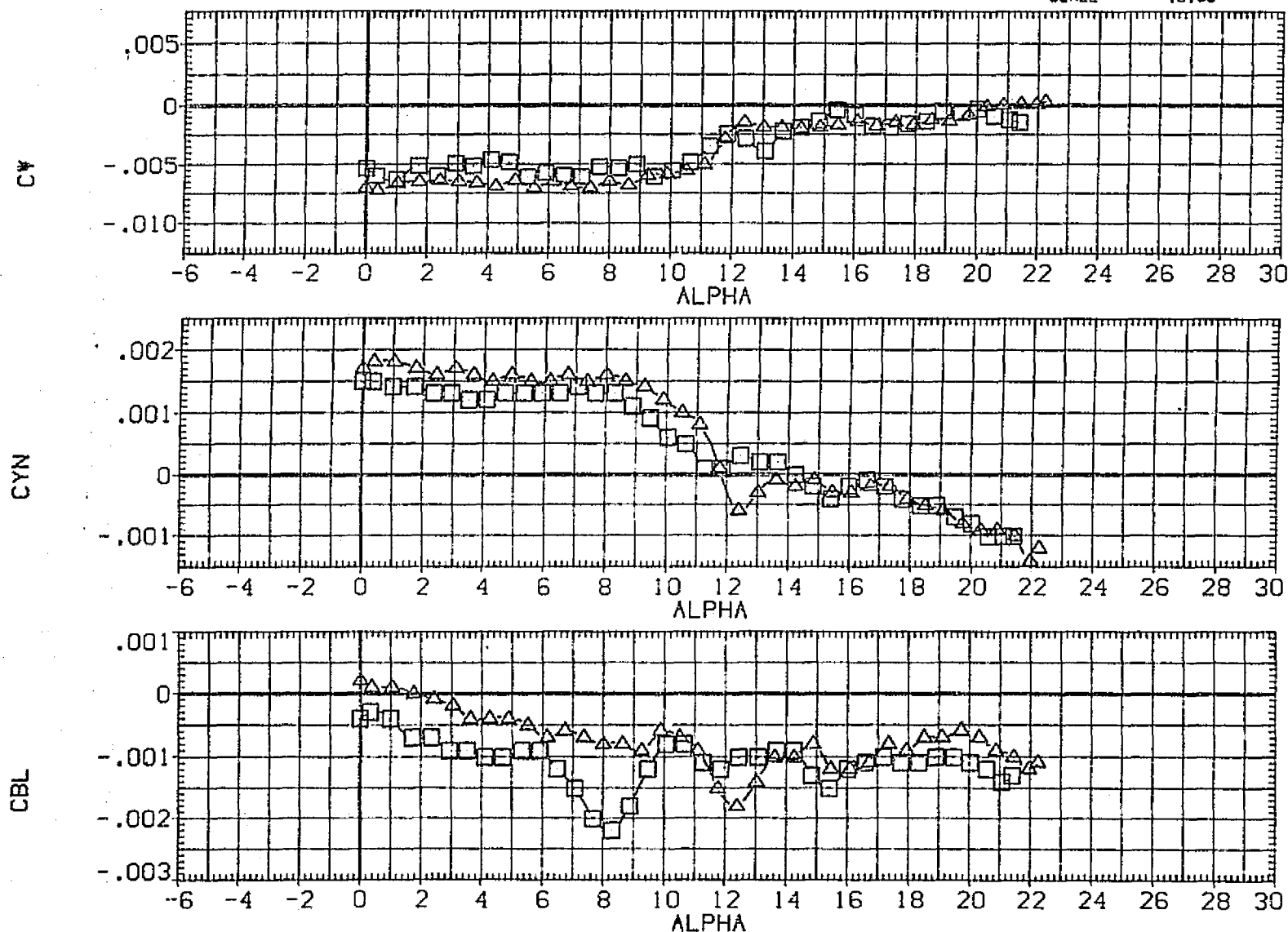


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0001)	DATA NOT AVAILABLE
(AF0002)	LA67 (LTV 552) ORBITER 49-0
(AF0003)	DATA NOT AVAILABLE
(AF0004)	LA67 (LTV 552) ORBITER 49-0
(AF0005)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	.000	SREF 2690.0000 SQ. FT.
6.000	.000	.000	.000	LREF 474.8000 INCHES
7.500	.000	.000	.000	BREF 936.7000 INCHES
10.000	.000	.000	.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

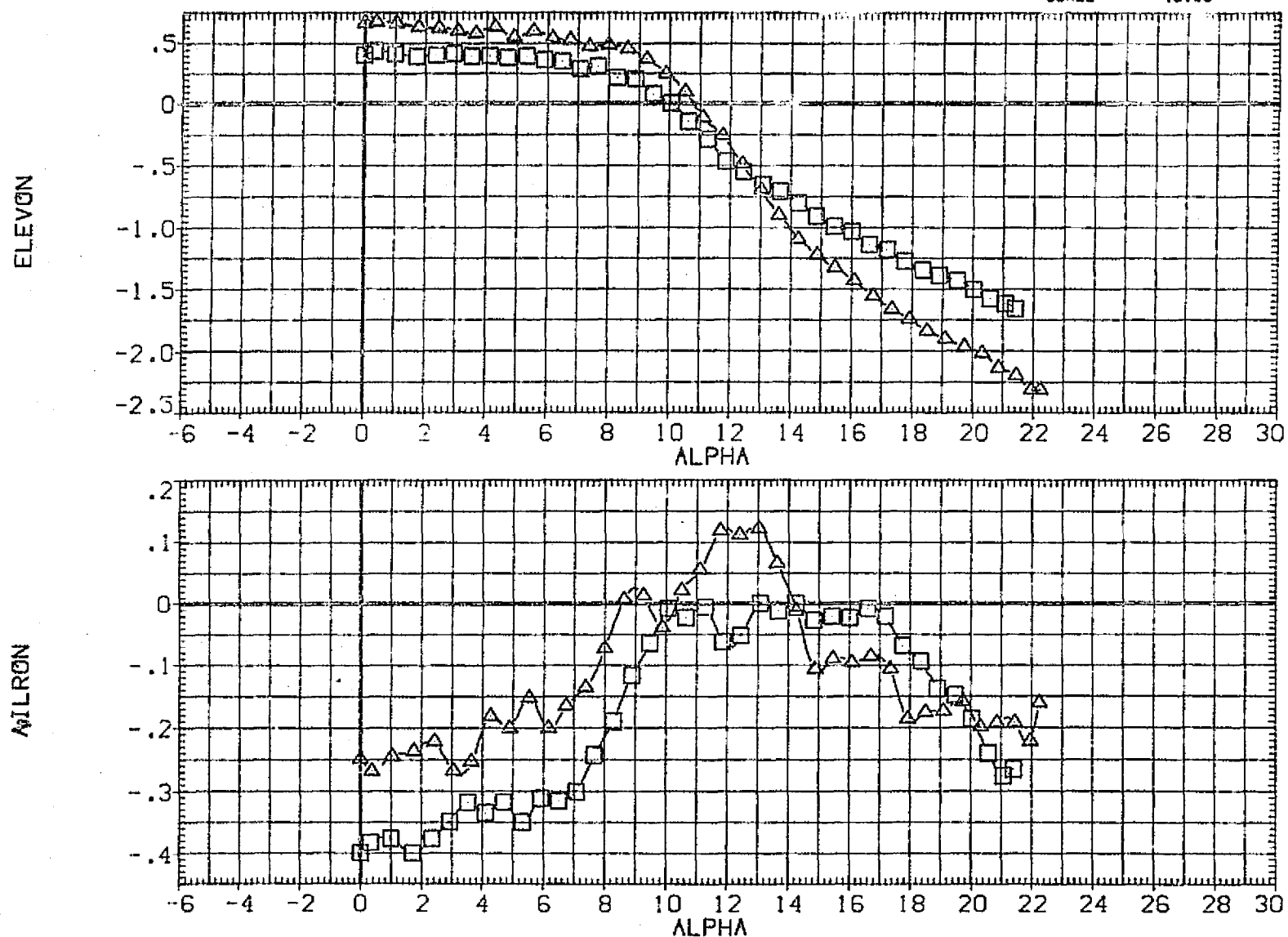


FIG. 4 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0010)	LA67 (LTV 552) ORBITER 49-0
(SF0011)	DATA NOT AVAILABLE
(SF0012)	LA67 (LTV 552) ORBITER 49-0
(SF0013)	LA67 (LTV 552) ORBITER 49-0
(SF0014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

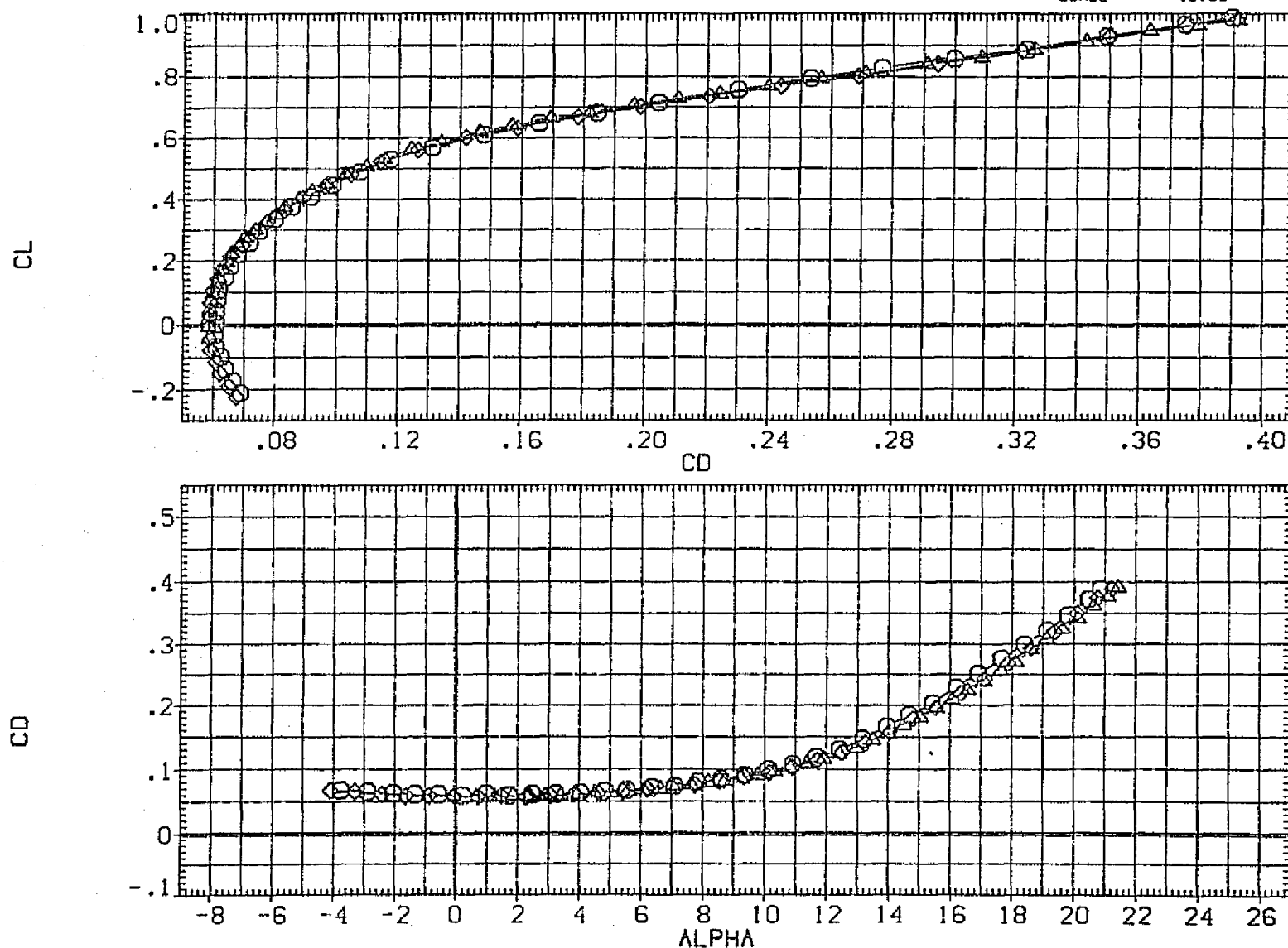


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0010)	LA67 (LTV 552) ORBITER 49-0
(SF0011)	DATA NOT AVAILABLE
(SF0012)	LA67 (LTV 552) ORBITER 49-0
(SF0013)	LA67 (LTV 552) ORBITER 49-0
(SF0014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRUN	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. XO
12.000	.000	.000	-2.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

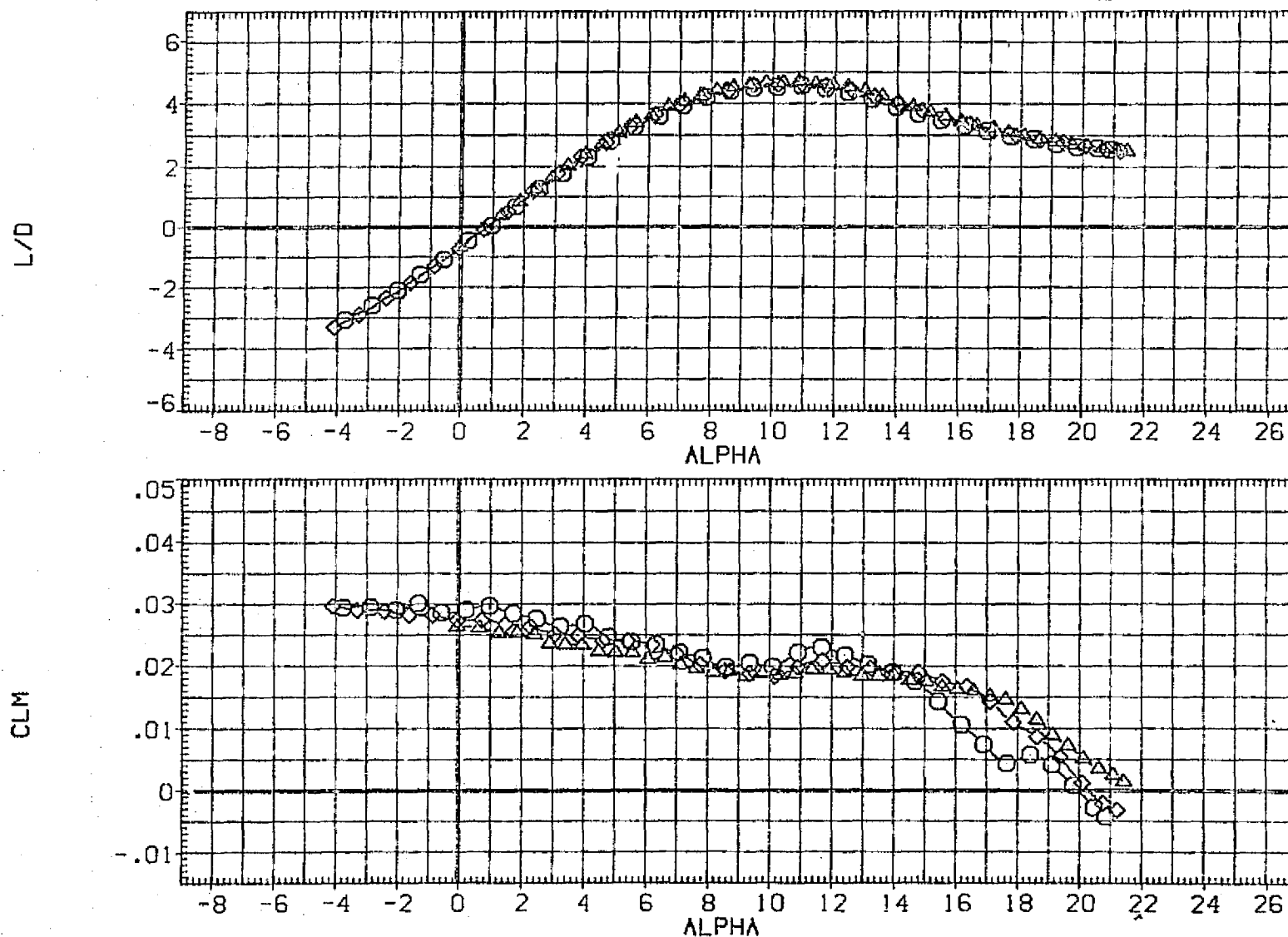


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD010)	LAG7 (LTV 552) ORBITER 49-0
(SFD011)	DATA NOT AVAILABLE
(SFD012)	LAG7 (LTV 552) ORBITER 49-0
(SFD013)	LAG7 (LTV 552) ORBITER 49-0
(SFD014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. XO
12.000	.000	.000	-2.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

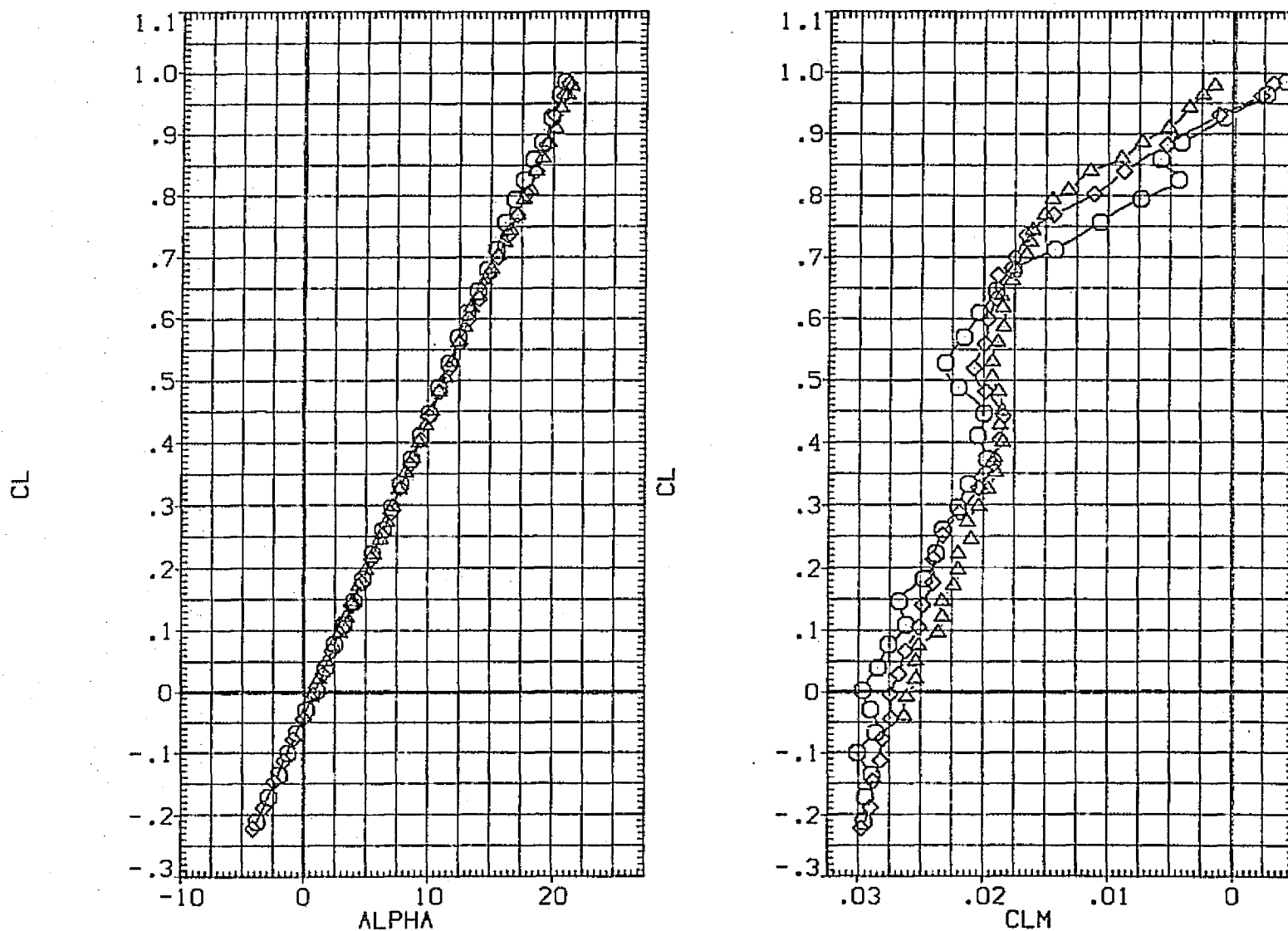


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=-2)

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	LA67 (LTV 552) ORBITER 49-0
(AFD011)	DATA NOT AVAILABLE
(AFD012)	LA67 (LTV 552) ORBITER 49-0
(AFD013)	LA67 (LTV 552) ORBITER 49-0
(AFD014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	-2.000	SREF	2690.0000	50.FT.
6.000	.000	.000	-2.000	LREF	474.8000	INCHES
7.500	.000	.000	-2.000	BREF	936.7000	INCHES
10.000	.000	.000	-2.000	YMRP	1076.7000	IN. X0
12.000	.000	.000	-2.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

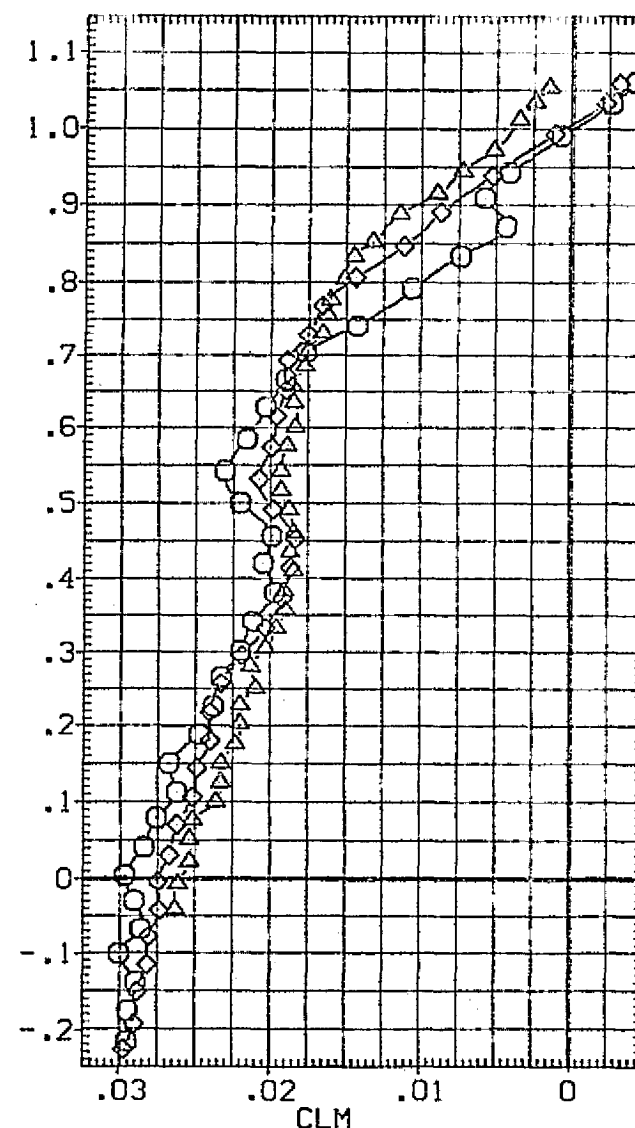
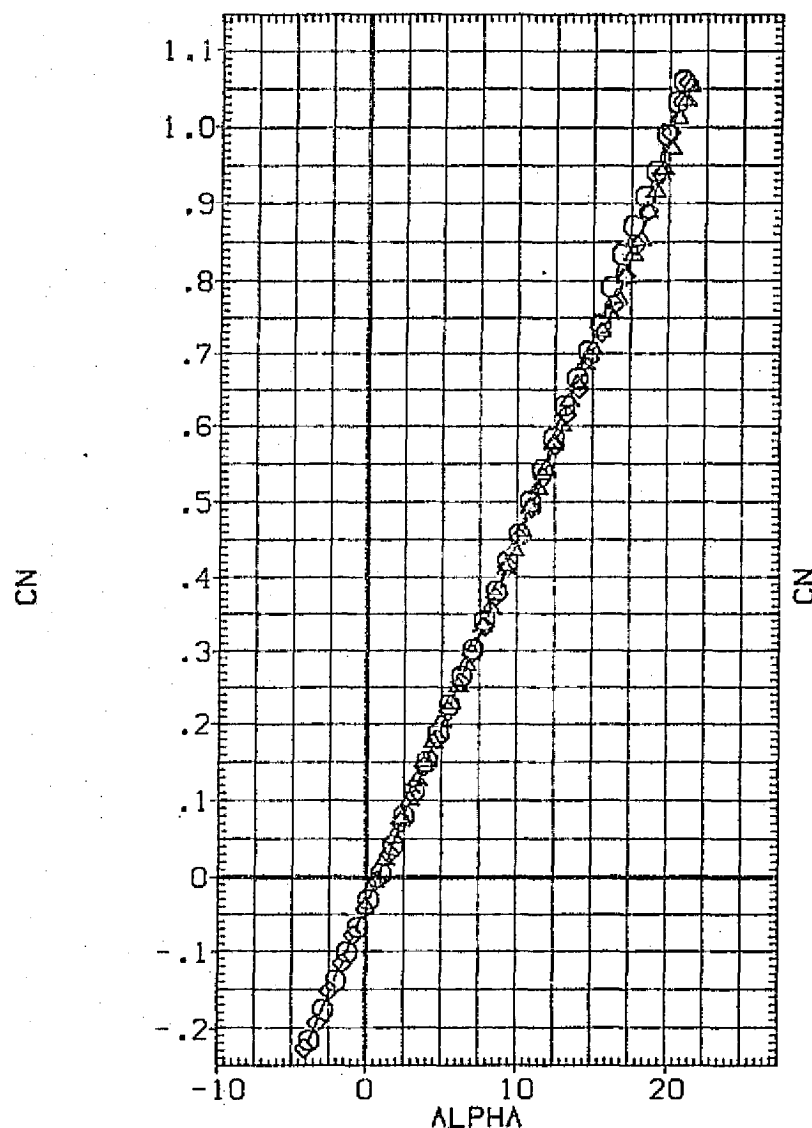


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFDD10)	LA67 (LTV 552) ORBITER 49-0
(AFDD11)	DATA NOT AVAILABLE
(AFDD12)	LA67 (LTV 552) ORBITER 49-0
(AFDD13)	LA67 (LTV 552) ORBITER 49-0
(AFDD14)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. XO
12.000	.000	.000	-2.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

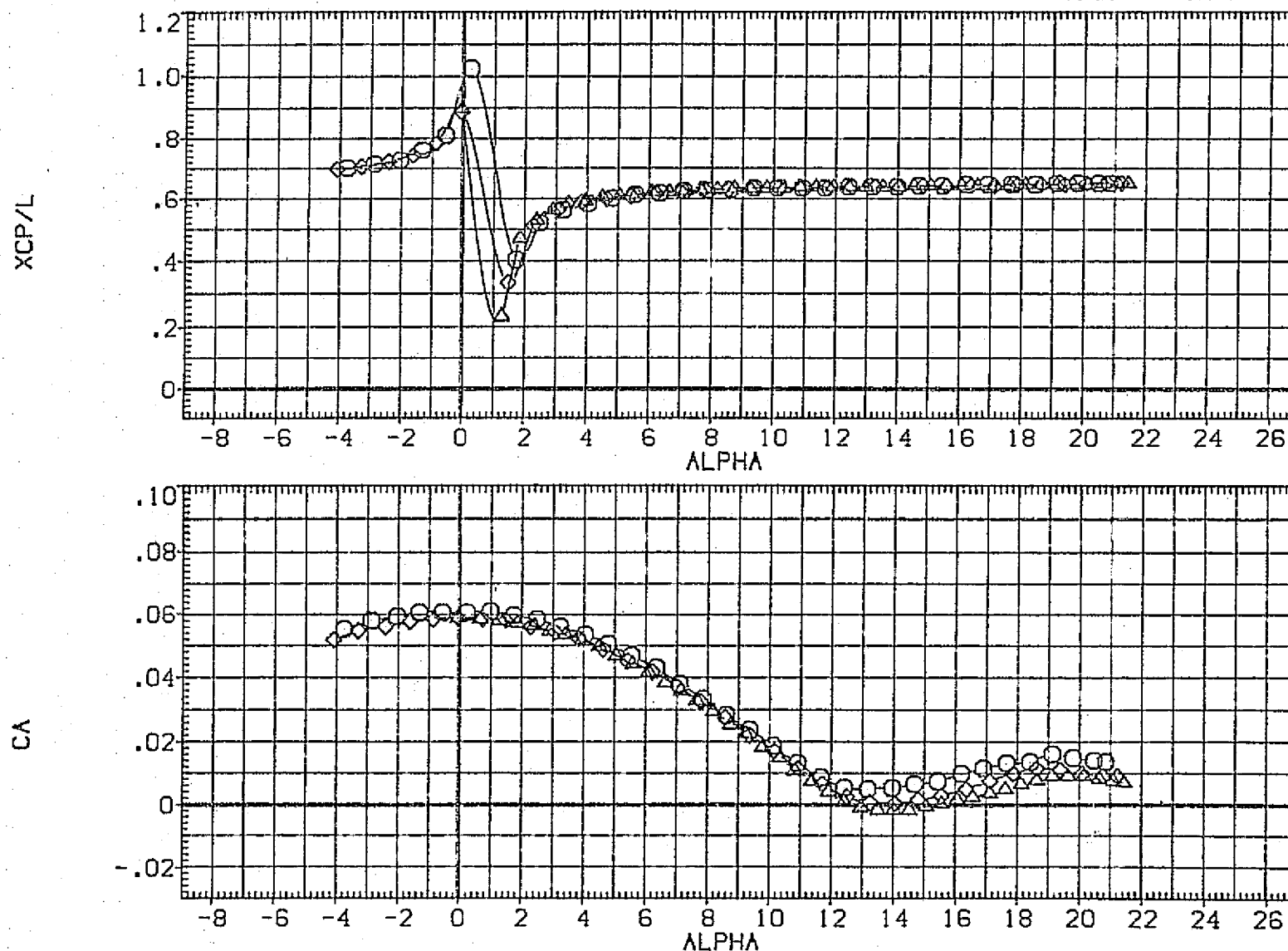


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= -2)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	LA67 (LTV 552) ORBITER 49-0
(AFD011)	DATA NOT AVAILABLE
(AFD012)	LA67 (LTV 552) ORBITER 49-0
(AFD013)	LA67 (LTV 552) ORBITER 49-0
(AFD014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ. FT.
6.000	.000	.000	-2.000	LREF 474.6000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. YO
12.000	.000	.000	-2.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. YO
				SCALE .0150

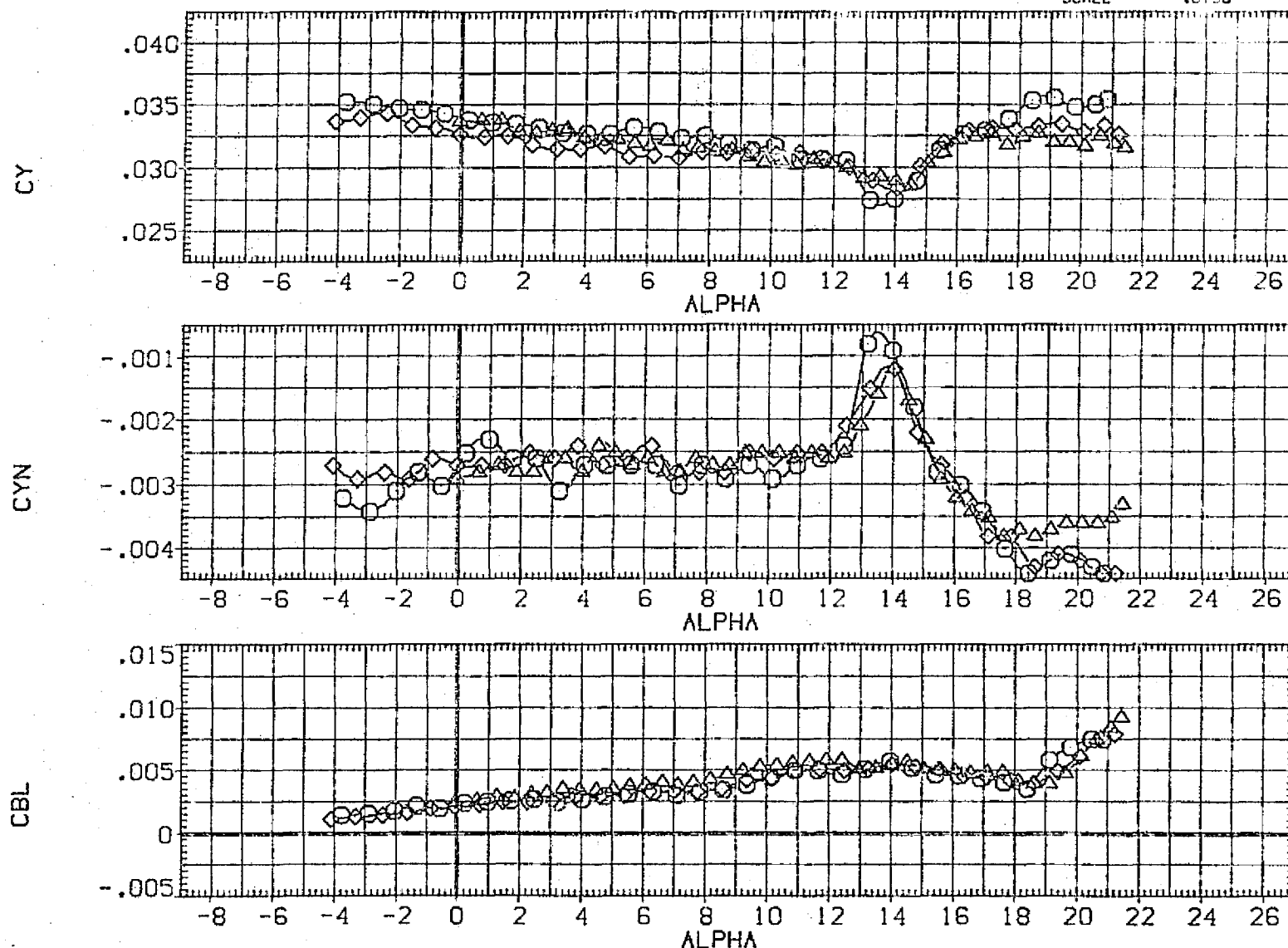


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	LA67 (LTV 552) ORBITER 49-0
(AFD011)	DATA NOT AVAILABLE
(AFD012)	LA67 (LTV 552) ORBITER 49-0
(AFD013)	LA67 (LTV 552) ORBITER 49-0
(AFD014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

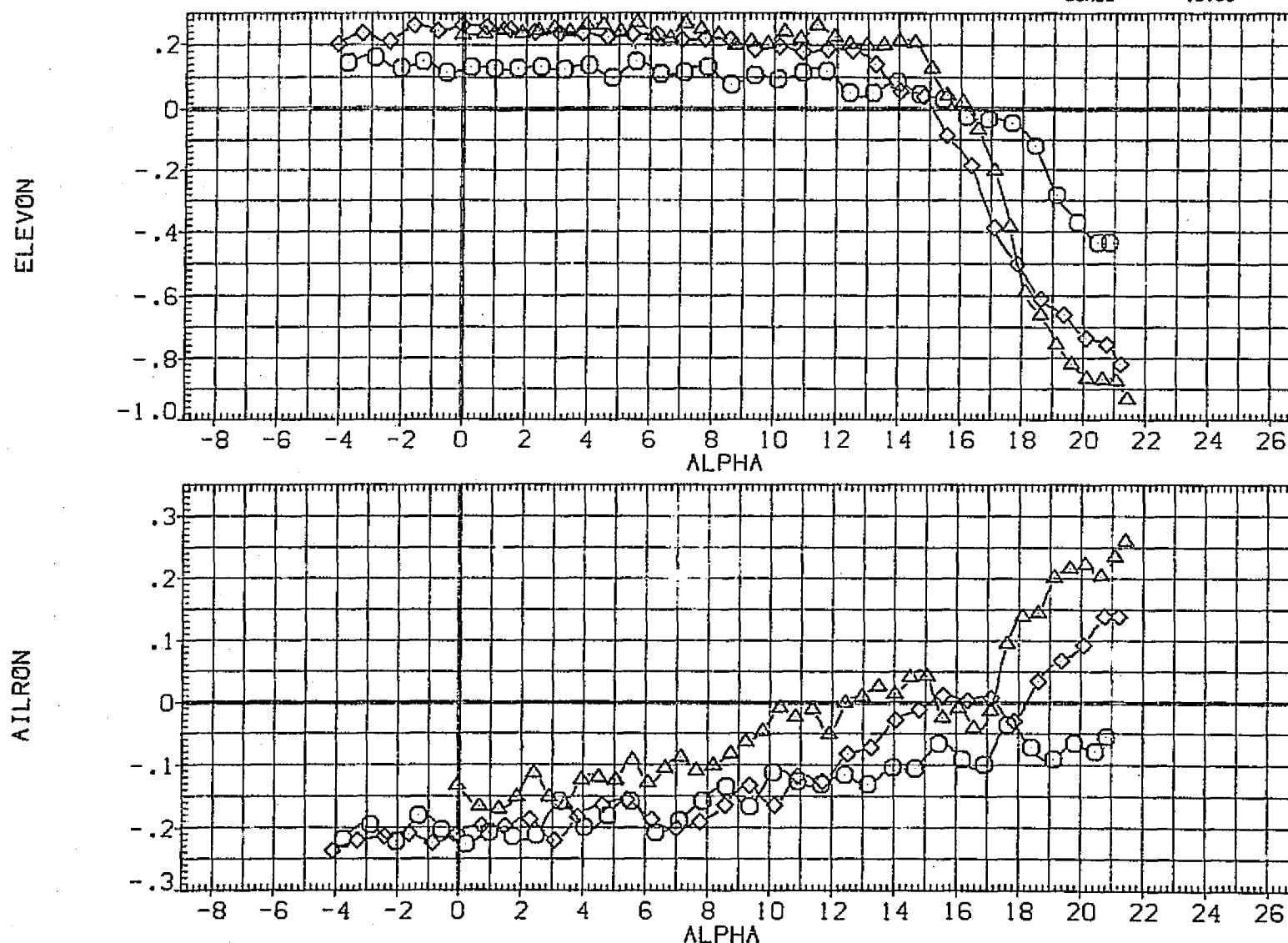


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD010)	LA67 (LTV 552) ORBITER 49-0
(CFD011)	DATA NOT AVAILABLE
(CFD012)	LA67 (LTV 552) ORBITER 49-0
(CFD013)	LA67 (LTV 552) ORBITER 49-0
(CFD014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON
5.000	.000	.000
6.000	.000	.000
7.500	.000	.000
10.000	.000	.000
12.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SO. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

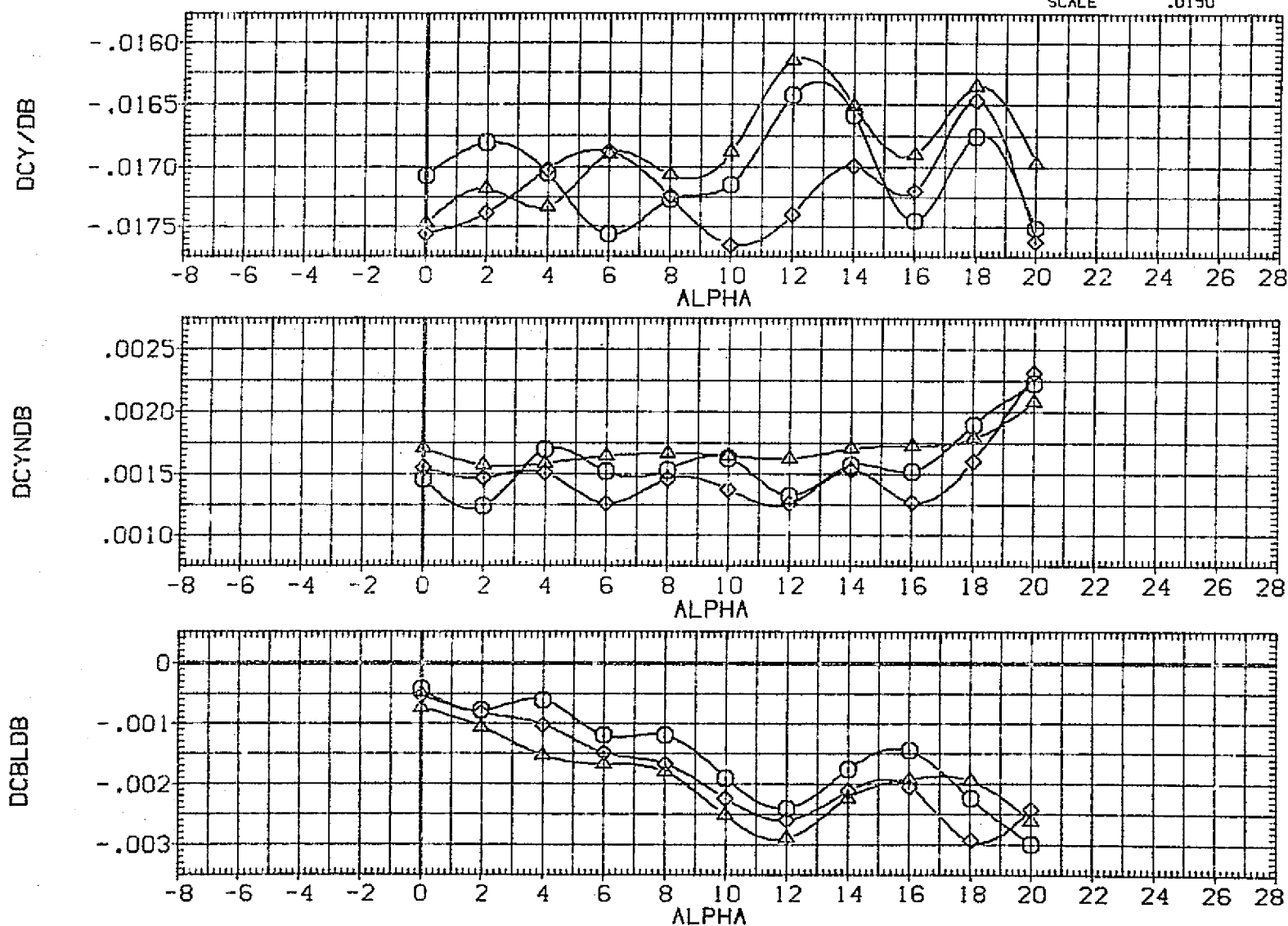


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = -2)
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CF0010)	LAG7 (LTV 552) ORBITER 49-0
(CF0011)	DATA NOT AVAILABLE
(CF0012)	LAG7 (LTV 552) ORBITER 49-0
(CF0013)	LAG7 (LTV 552) ORBITER 49-0
(CF0014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON
5.000	.000	.000
6.000	.000	.000
7.500	.000	.000
10.000	.000	.000
12.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

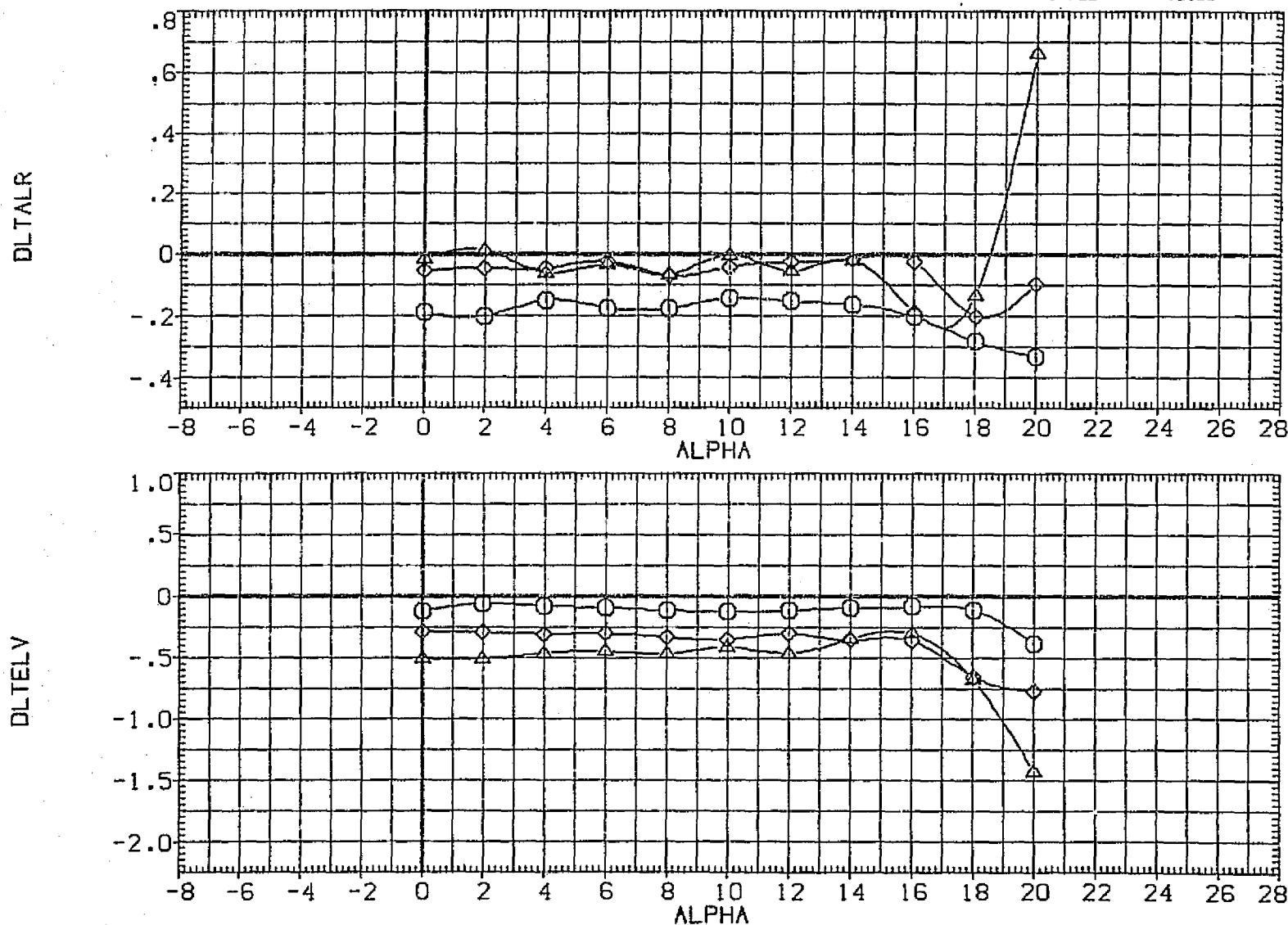


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = -2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD010)	LA67 (LTV 552) ORBITER 49-0
(SFD011)	DATA NOT AVAILABLE
(SFD012)	DATA NOT AVAILABLE
(SFD013)	DATA NOT AVAILABLE
(SFD014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

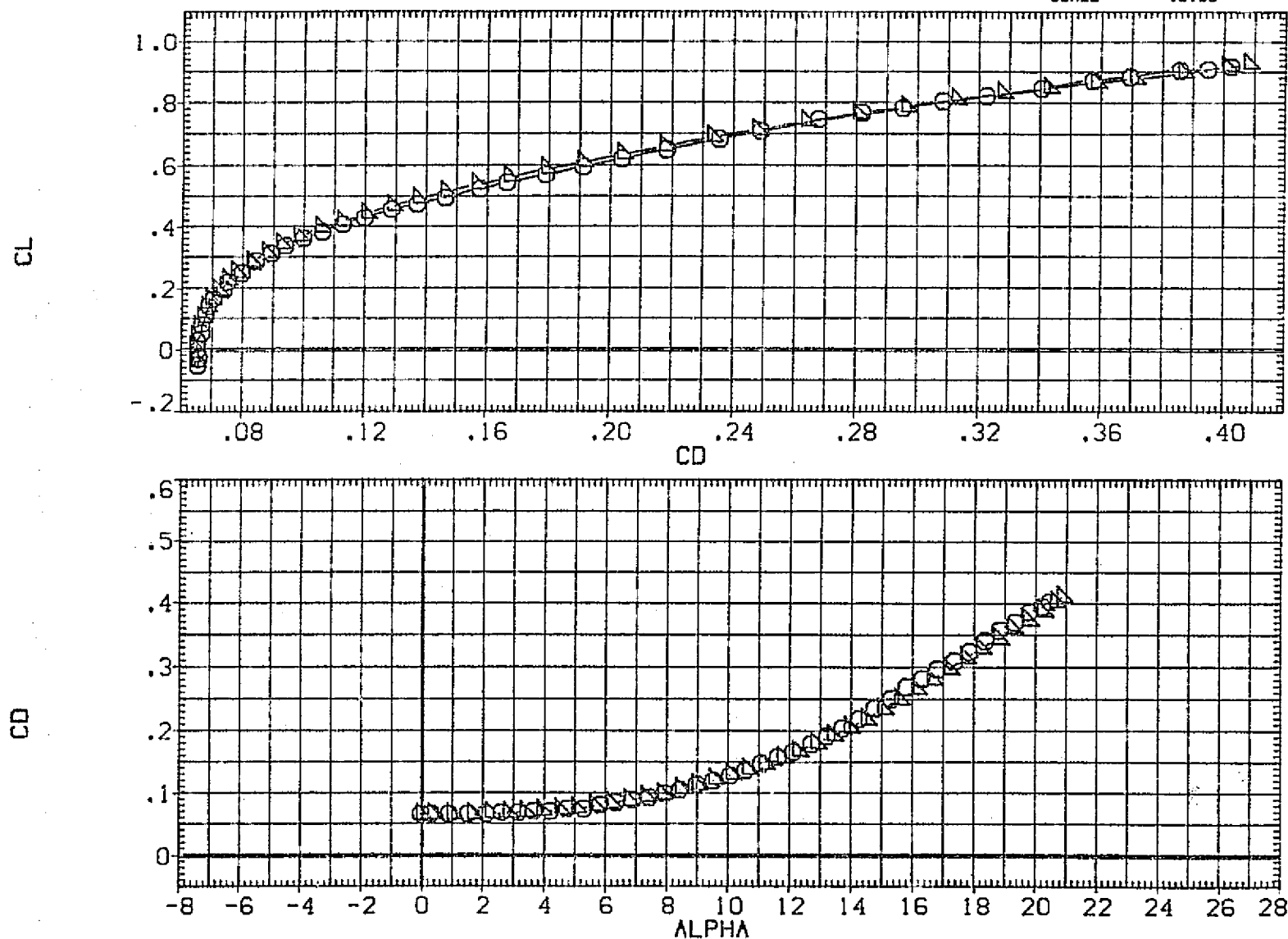


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)

(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFDD10)	LAG7 (LTV 552) ORBITER 49-0
(SFDD11)	DATA NOT AVAILABLE
(SFDD12)	DATA NOT AVAILABLE
(SFDD13)	DATA NOT AVAILABLE
(SFDD14)	LAG7 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

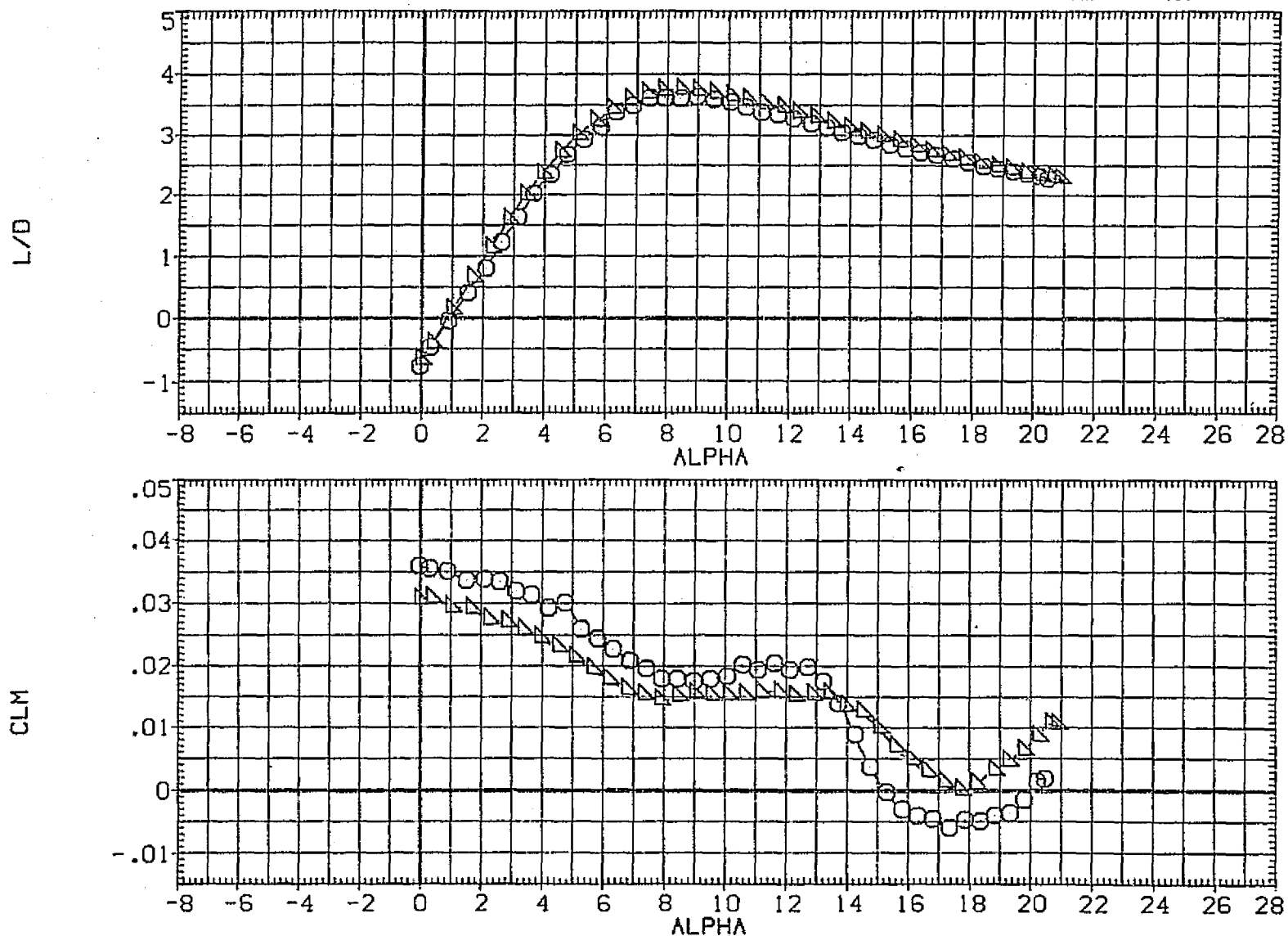


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= -2)
 (A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0010)	LA67 (LTV 552) ORBITER 49-0
(SF0011)	DATA NOT AVAILABLE
(SF0012)	DATA NOT AVAILABLE
(SF0013)	DATA NOT AVAILABLE
(SF0014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SRFF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

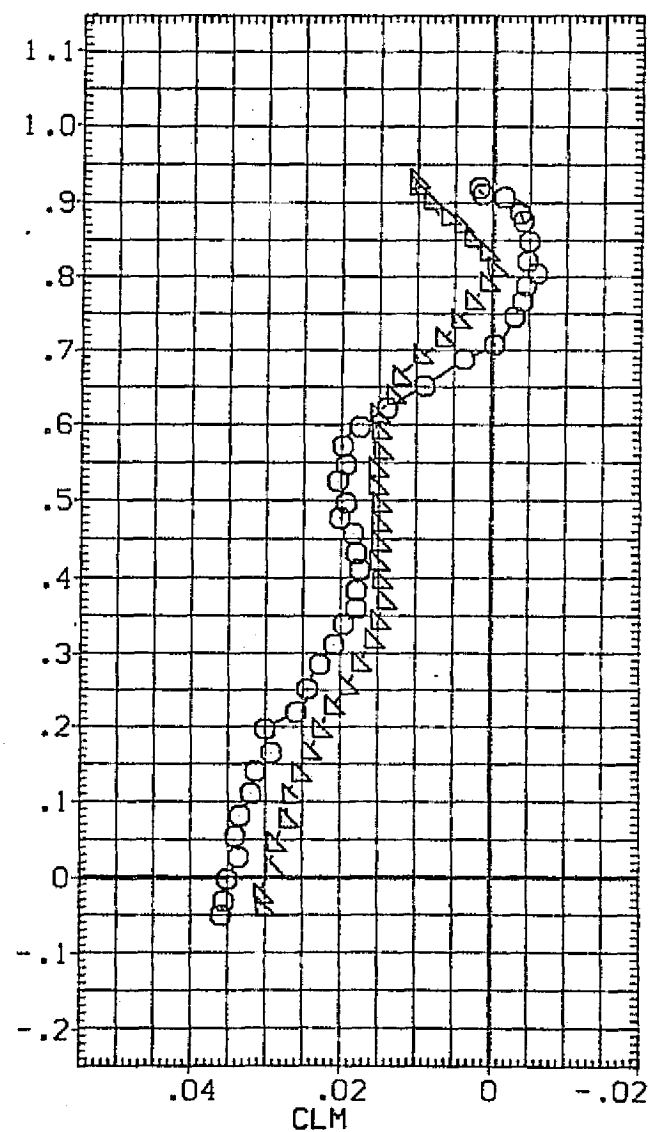
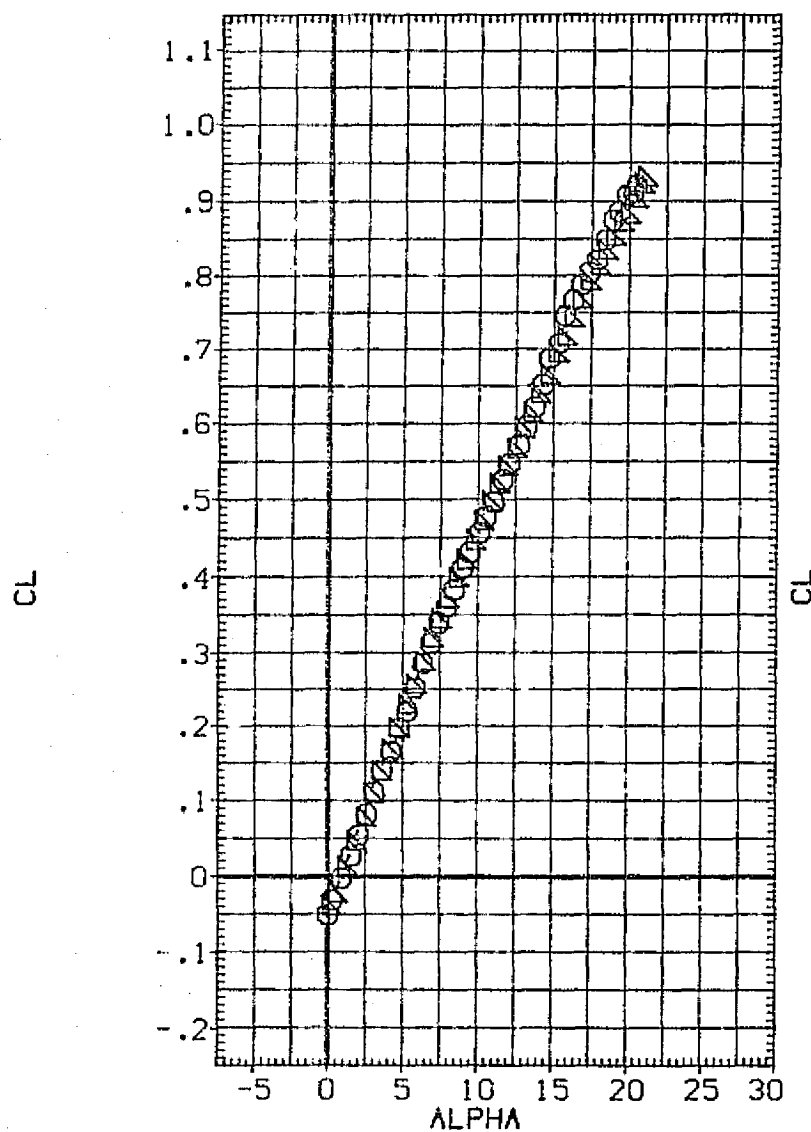


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= -2)

(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0010)	LA67 (LTV 552) ORBITER 49-0
(AF0011)	DATA NOT AVAILABLE
(AF0012)	DATA NOT AVAILABLE
(AF0013)	DATA NOT AVAILABLE
(AF0014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	-2.000	SREF	2690.0000	50.FT.
6.000	.000	.000	-2.000	LREF	474.8000	INCHES
7.500	.000	.000	-2.000	BREF	936.7000	INCHES
10.000	.000	.000	-2.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	-2.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

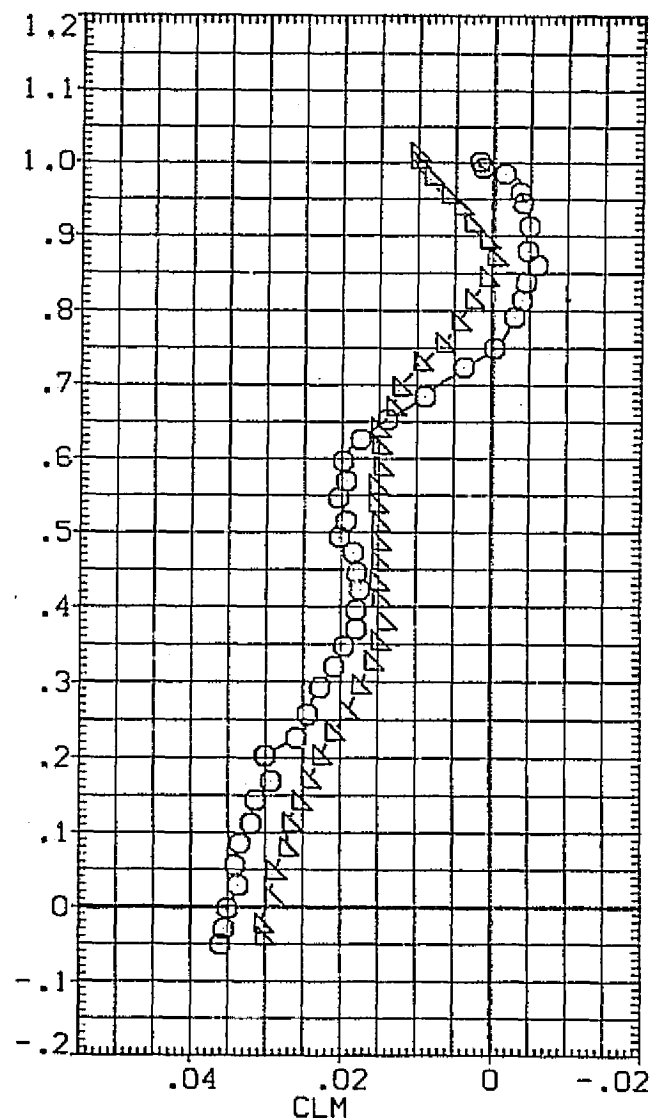
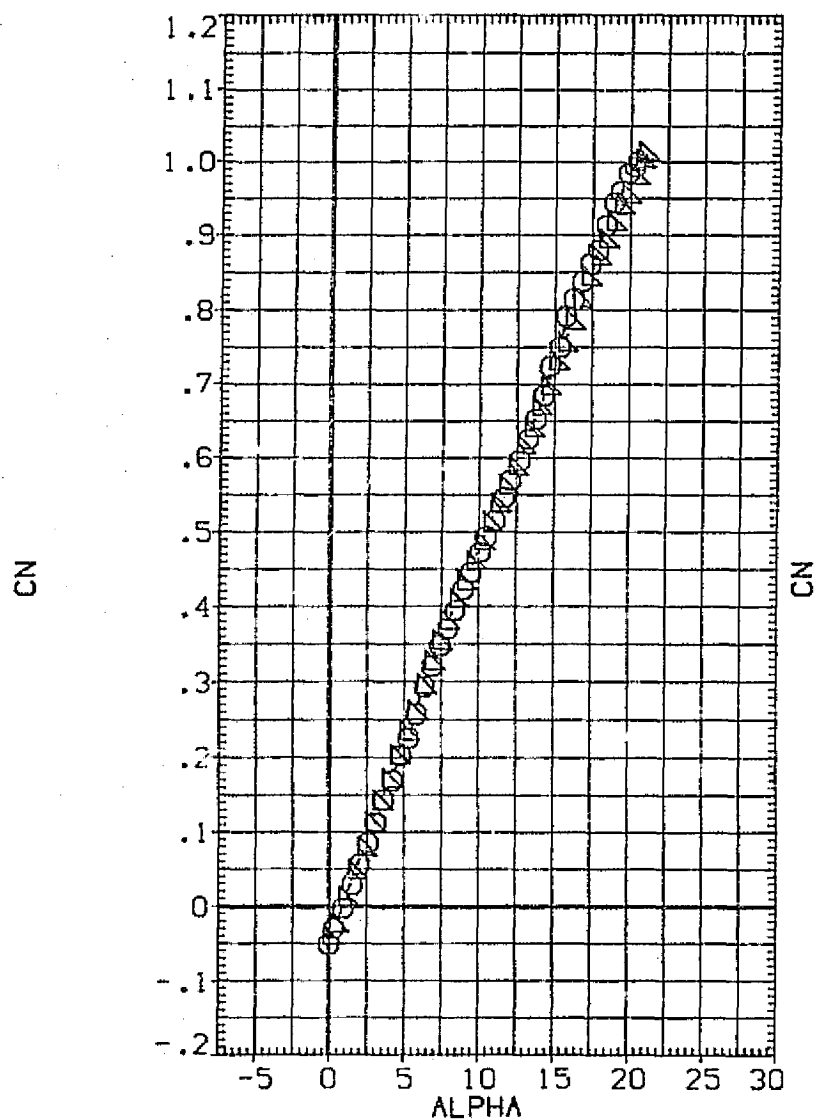


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0010)	LA67 (LTV 552) ORBITER 49-0
(AF0011)	DATA NOT AVAILABLE
(AF0012)	DATA NOT AVAILABLE
(AF0013)	DATA NOT AVAILABLE
(AF0014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LRE 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

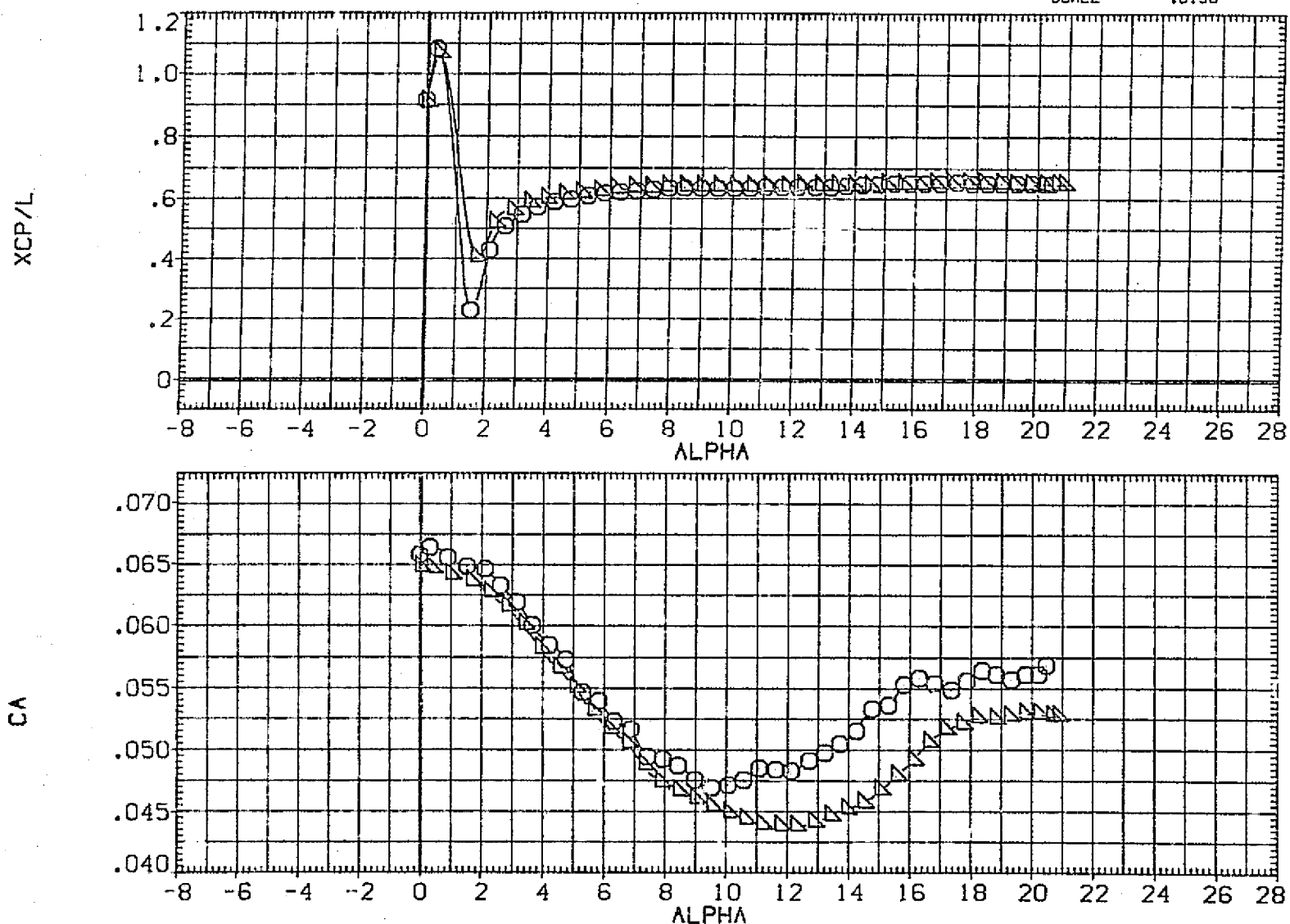


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	LA67 (LTV 552) ORBITER 49-0
(AFD011)	DATA NOT AVAILABLE
(AFD012)	DATA NOT AVAILABLE
(AFD013)	DATA NOT AVAILABLE
(AFD014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

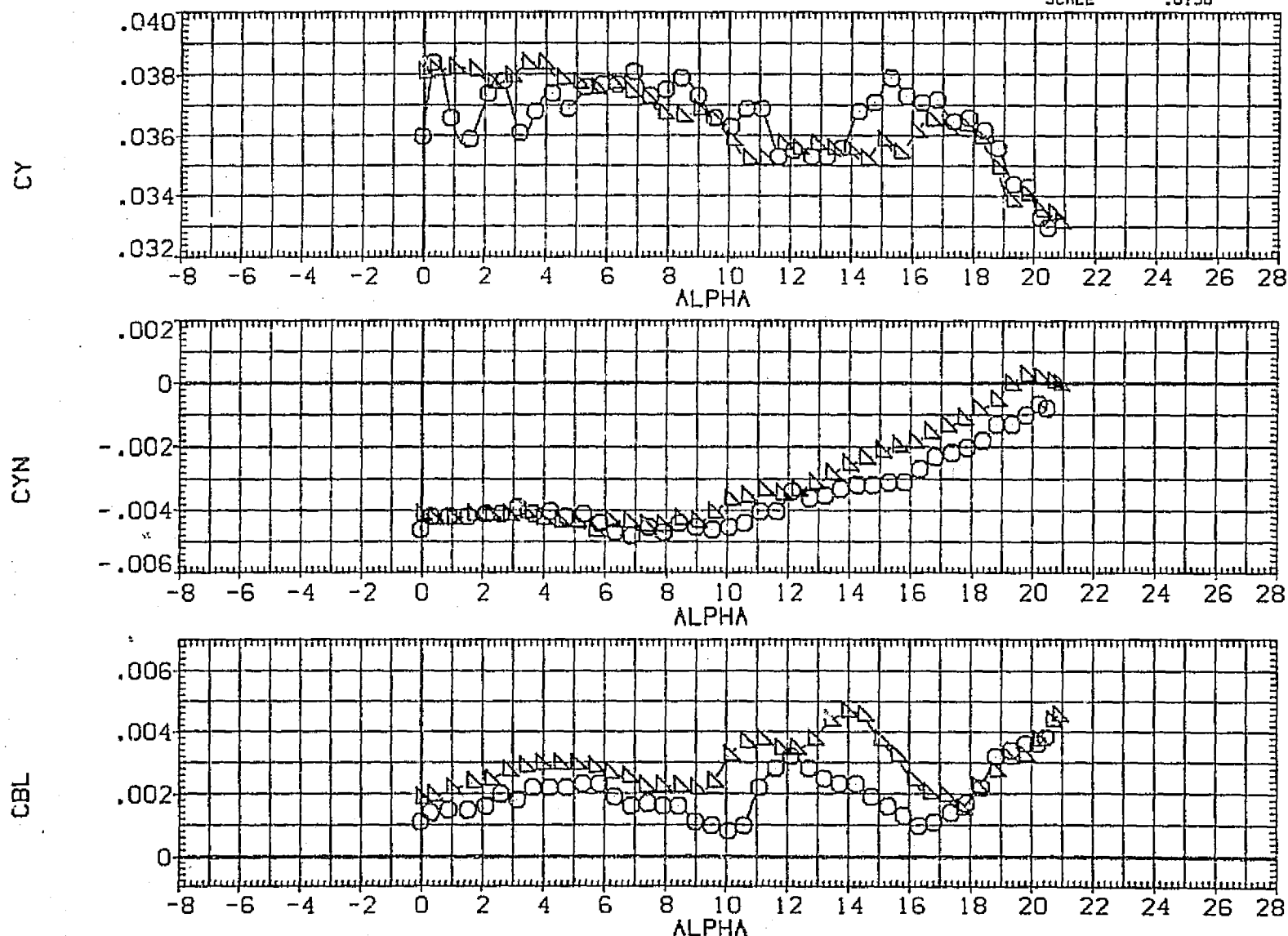


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= -2)
 (A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	LA67 (LTV 552) ORBITER 49-0
(AFD011)	DATA NOT AVAILABLE
(AFD012)	DATA NOT AVAILABLE
(AFD013)	DATA NOT AVAILABLE
(AFD014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ. FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	ZMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

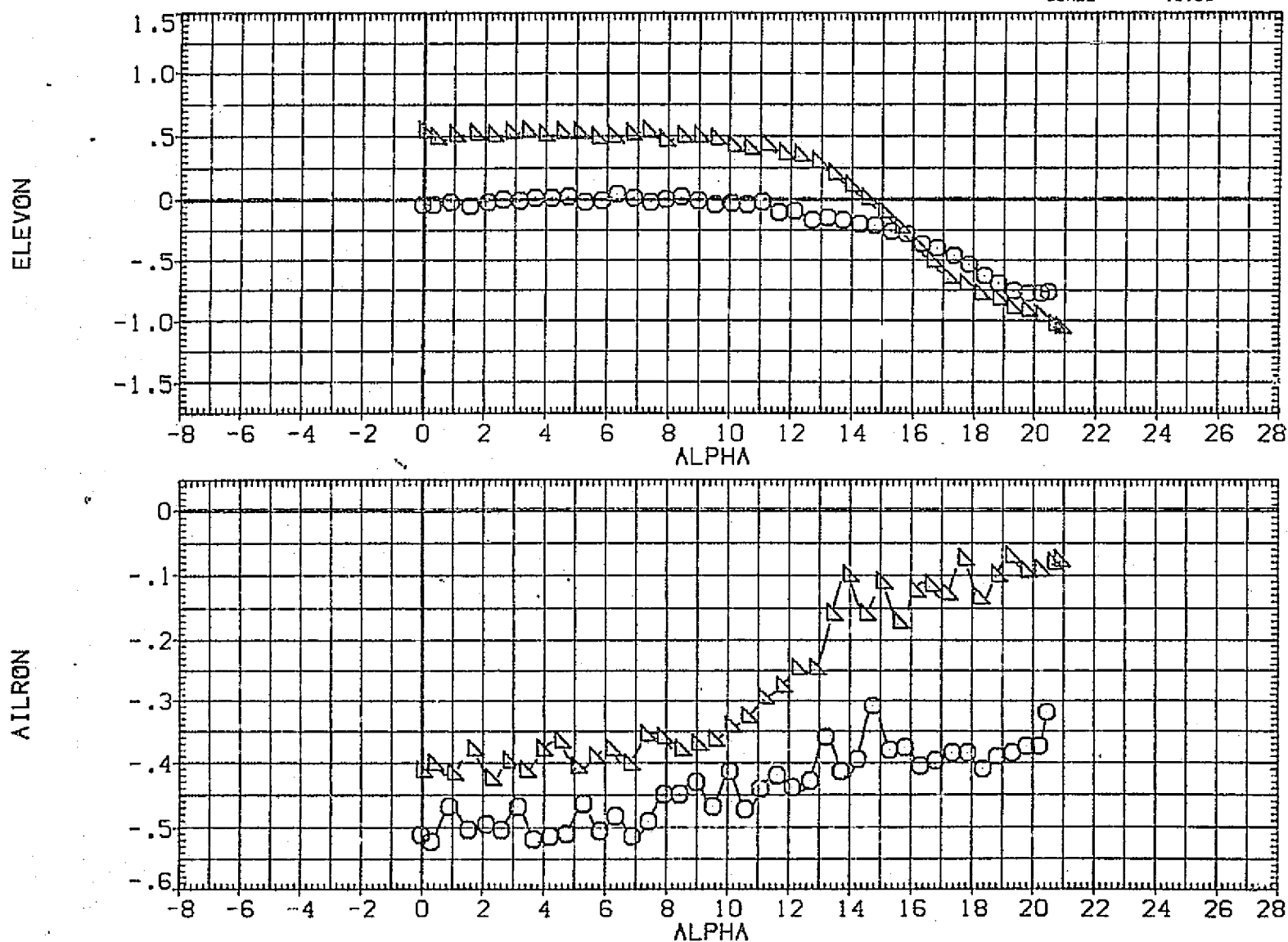


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD010)	LA67 (LTV 552) ORBITER 49-0
(CFD011)	DATA NOT AVAILABLE
(CFD012)	DATA NOT AVAILABLE
(CFD013)	DATA NOT AVAILABLE
(CFD014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON
5.000	.000	.000
6.000	.000	.000
7.500	.000	.000
10.000	.000	.000
12.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XHRP	1076.7000	IN. XO
YHRP	.0000	IN. YO
ZHRP	375.0000	IN. ZO
SCALE	.0150	

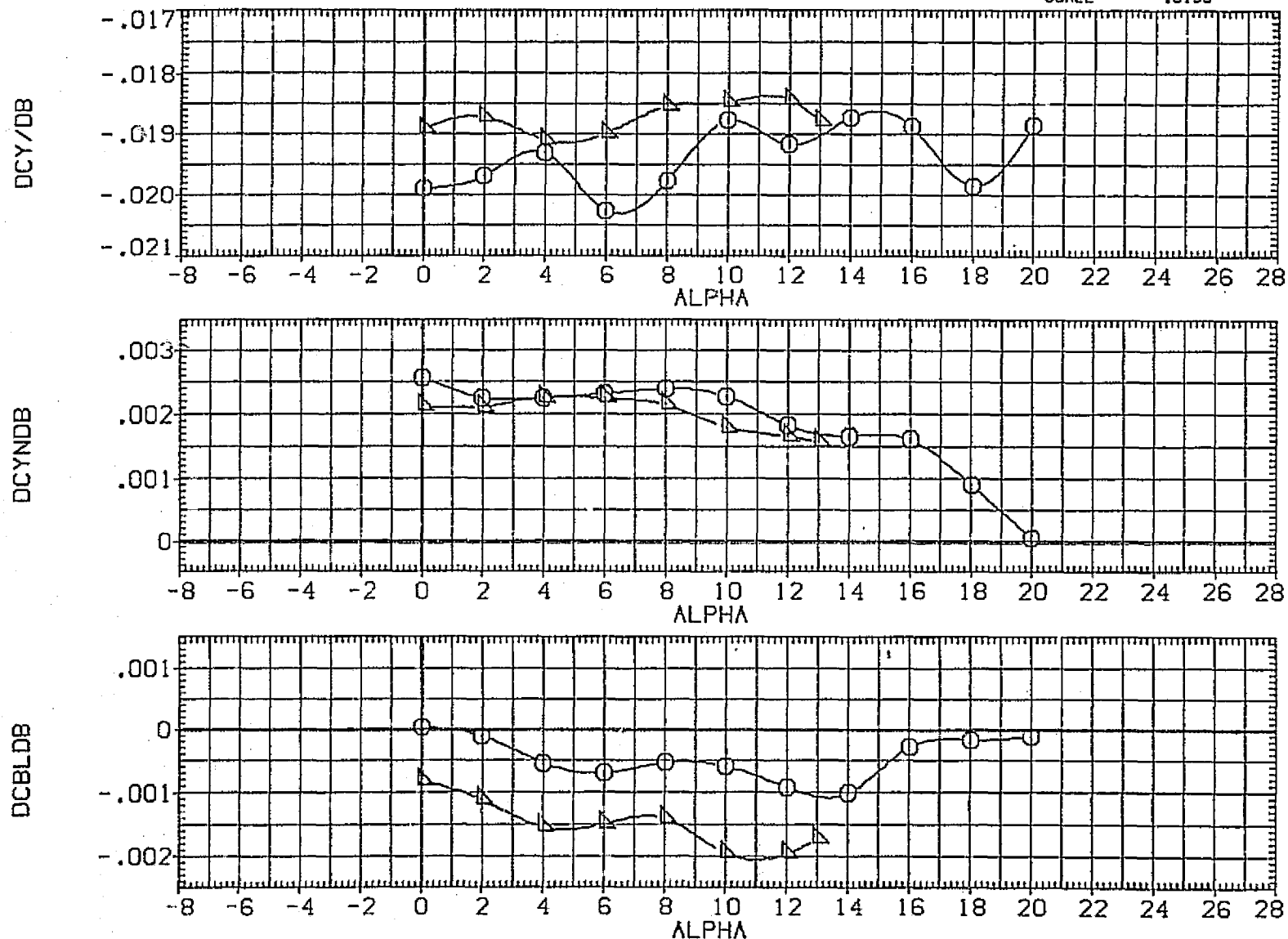


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = -2)
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD010)	LAG7 (LTV 552) ORBITER 49-0
(CFD011)	DATA NOT AVAILABLE
(CFD012)	DATA NOT AVAILABLE
(CFD013)	DATA NOT AVAILABLE
(CFD014)	LAG7 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON
5.000	.000	.000
6.000	.000	.000
7.500	.000	.000
10.000	.000	.000
12.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

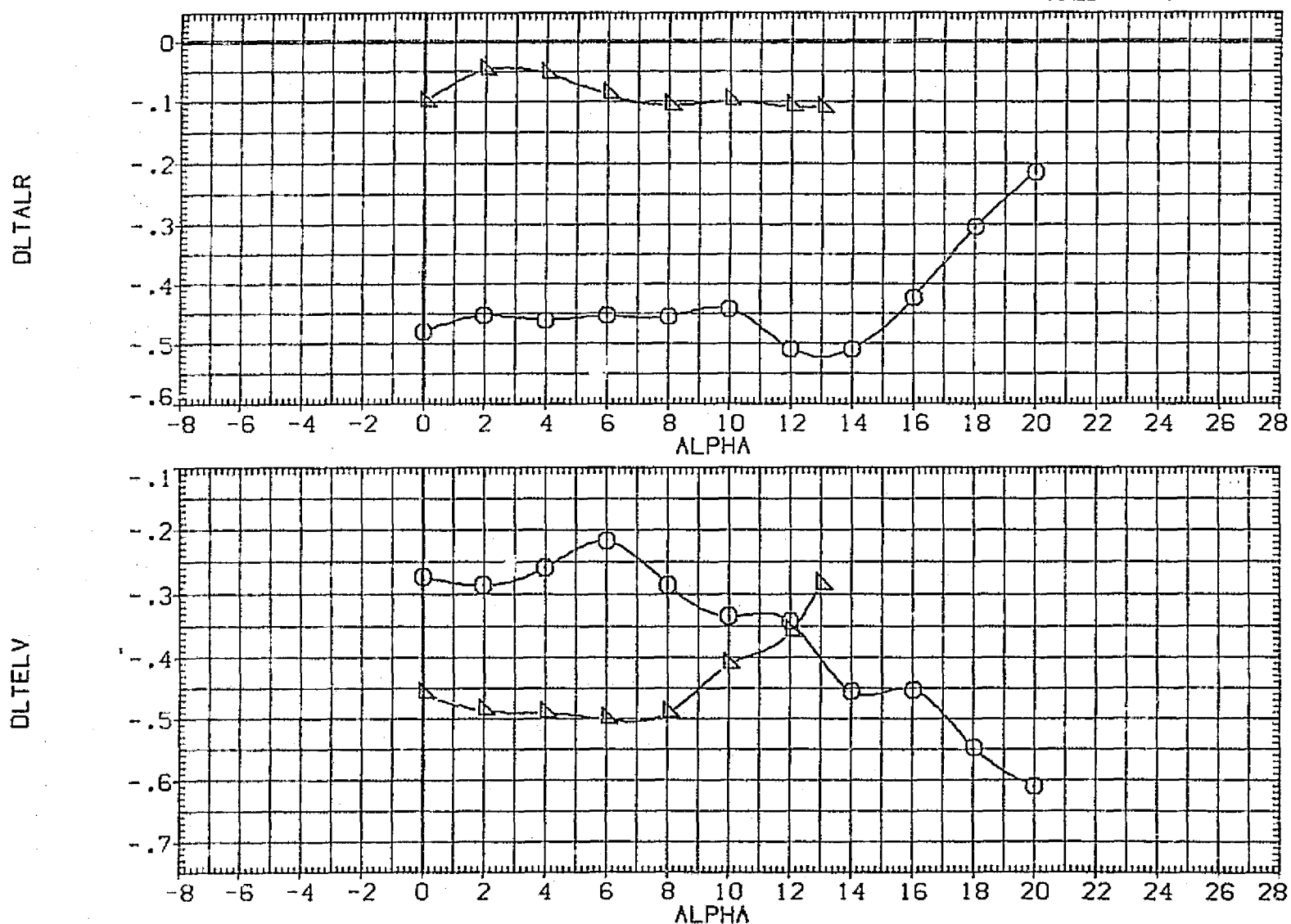


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = -2)

(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RM/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
(SFDD10)	DATA NOT AVAILABLE	5.000	.000	.000	-2.000	SREF	2690.0000	50.FT.
(SFDD11)	LA67 (LTV 552) ORBITER 49-0	6.000	.000	.000	-2.000	LREF	474.8000	INCHES
(SFDD12)	DATA NOT AVAILABLE	7.500	.000	.000	-2.000	BREF	936.7000	INCHES
(SFDD13)	DATA NOT AVAILABLE	10.000	.000	.000	-2.000	XHRP	1076.7000	IN. X0
(SFDD14)	LA67 (LTV 552) ORBITER 49-0	12.000	.000	.000	-2.000	YHRP	.0000	IN. Y0
						ZHRP	375.0000	IN. Z0
						SCALE	.0150	

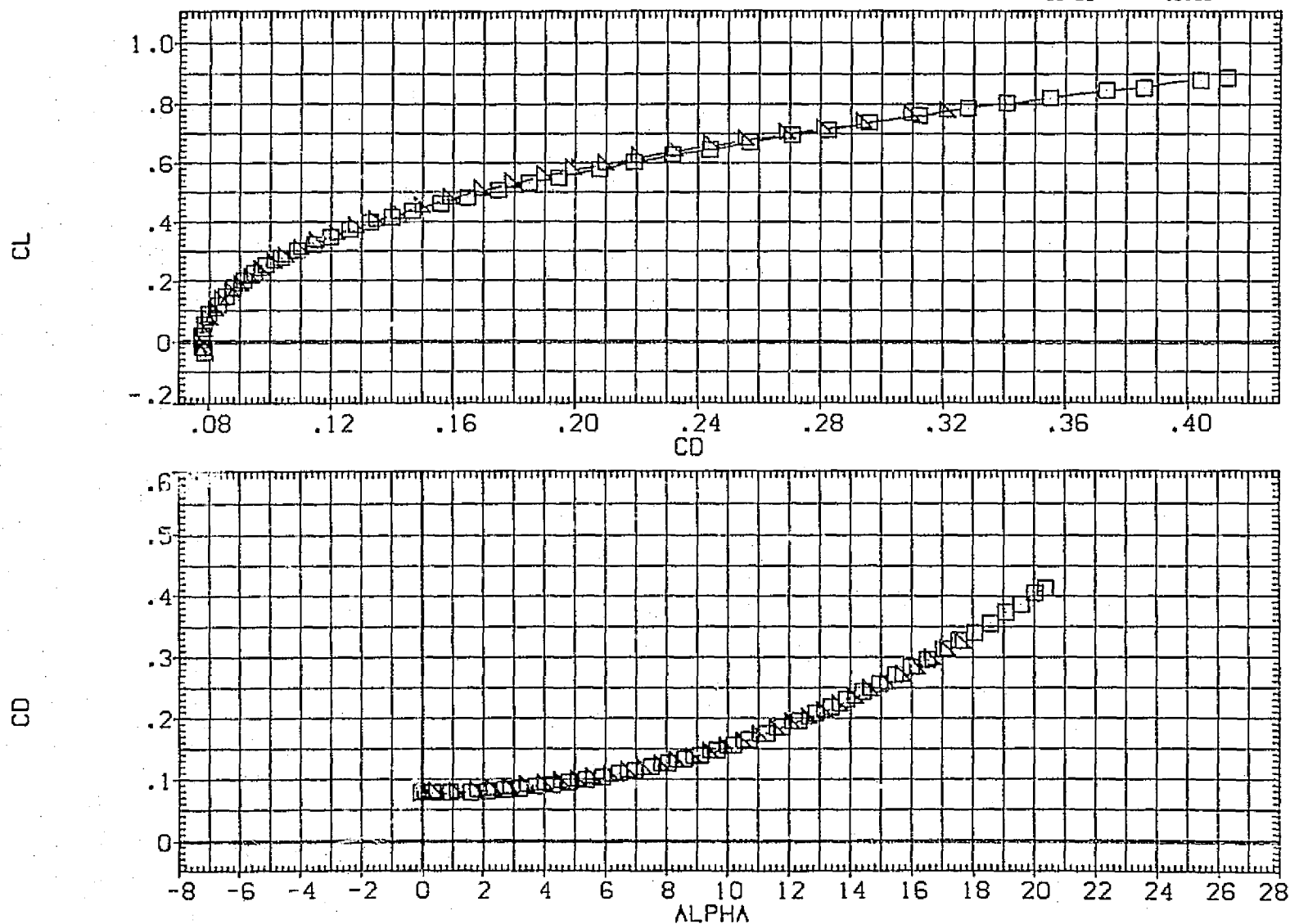


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)

(A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFDD10)	DATA NOT AVAILABLE
(SFDD11)	LA67 (LTV 552) ORBITER 49-0
(SFDD12)	DATA NOT AVAILABLE
(SFDD13)	DATA NOT AVAILABLE
(SFDD14)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ. FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

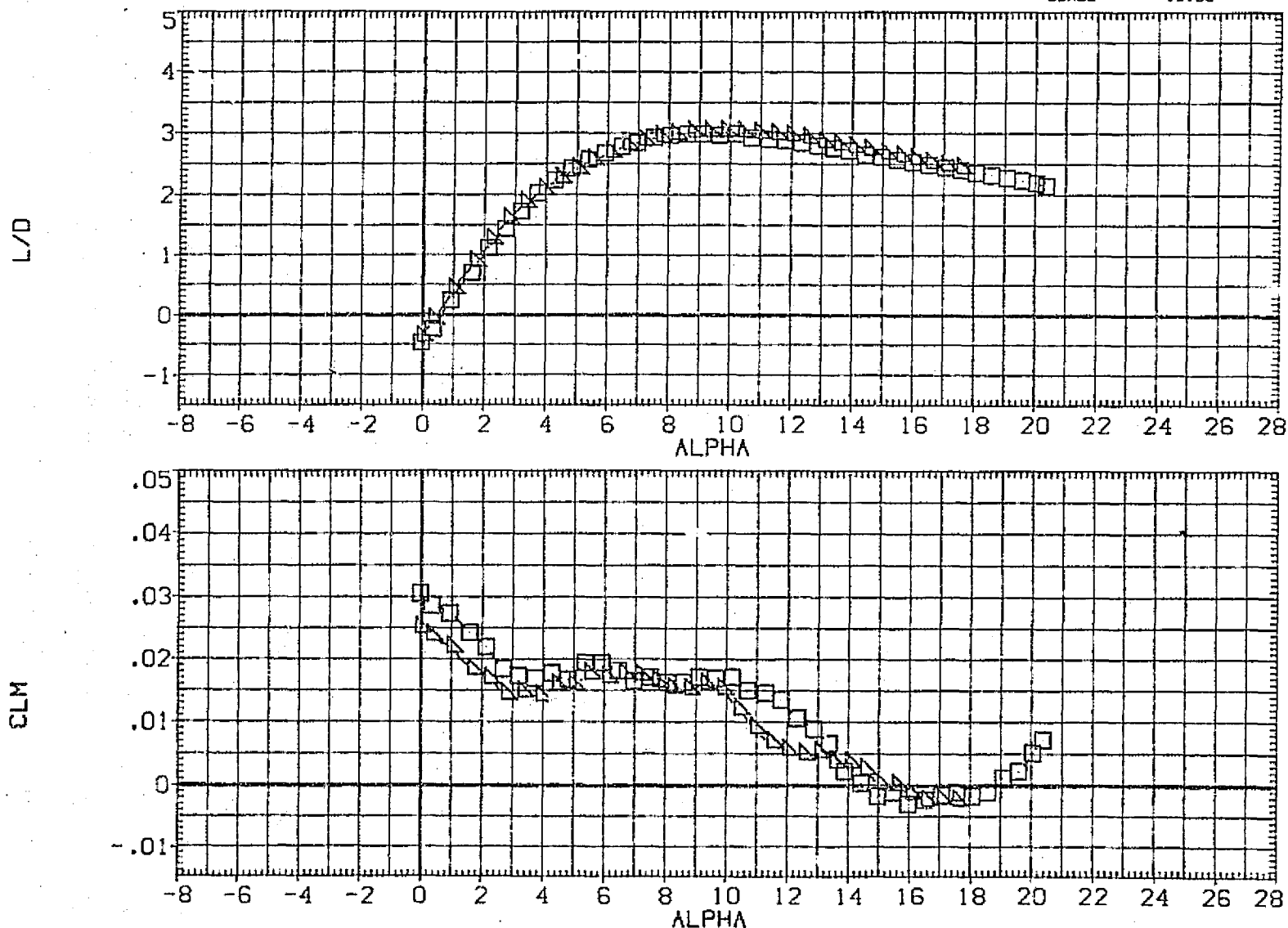


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=-2)
 (A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(SFD010)	DATA NOT AVAILABLE
(SFD011)	LA67 (LTV 552) ORBITER 49-0
(SFD012)	DATA NOT AVAILABLE
(SFD013)	DATA NOT AVAILABLE
(SFD014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	-2.000	SREF	2690.0000	50. FT.
6.000	.000	.000	-2.000	LREF	474.8000	INCHES
7.500	.000	.000	-2.000	BREF	936.7000	INCHES
10.000	.000	.000	-2.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	-2.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

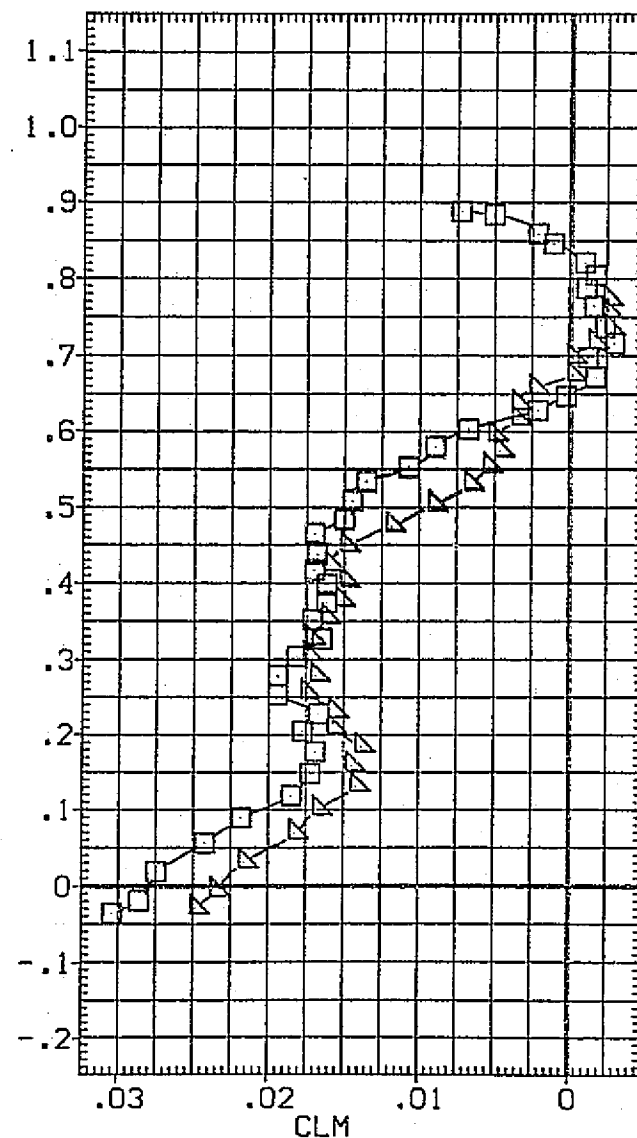
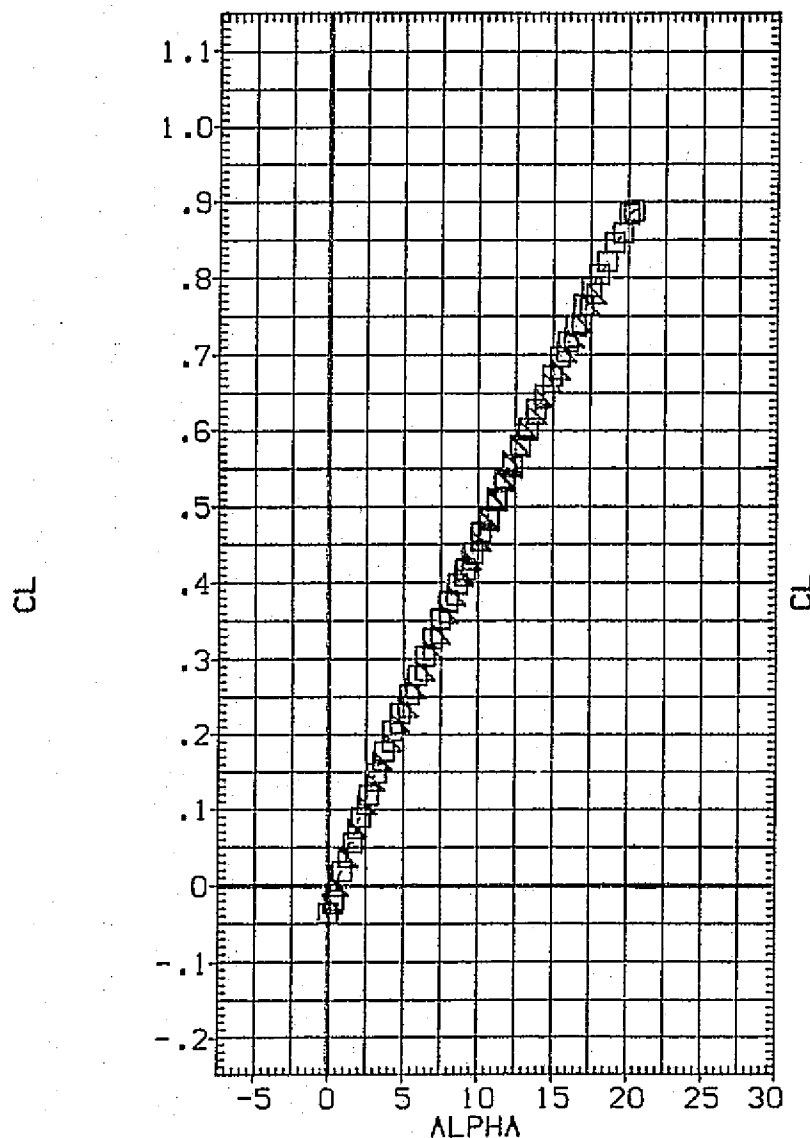


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
(A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	DATA NOT AVAILABLE
(AFD011)	LA67 (LTV 552) ORBITER 49-0
(AFD012)	DATA NOT AVAILABLE
(AFD013)	DATA NOT AVAILABLE
(AFD014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	-2.000	SREF	2690.0000	SQ.FT.
6.000	.000	.000	-2.000	LREF	474.8000	INCHES
7.500	.000	.000	-2.000	BREF	936.7000	INCHES
10.000	.000	.000	-2.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	-2.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

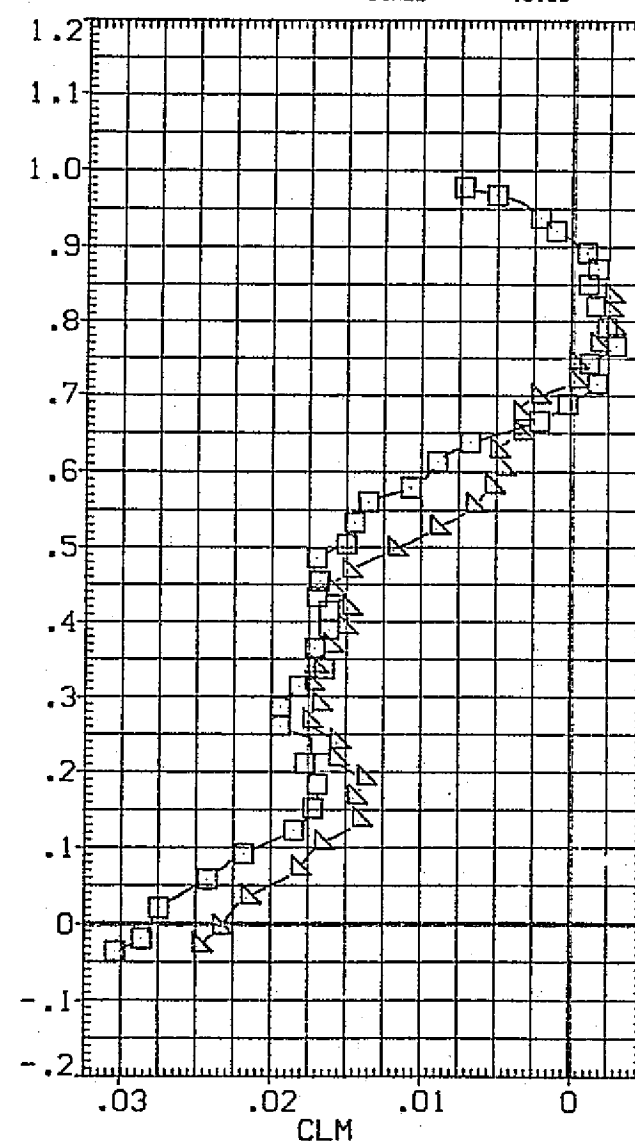
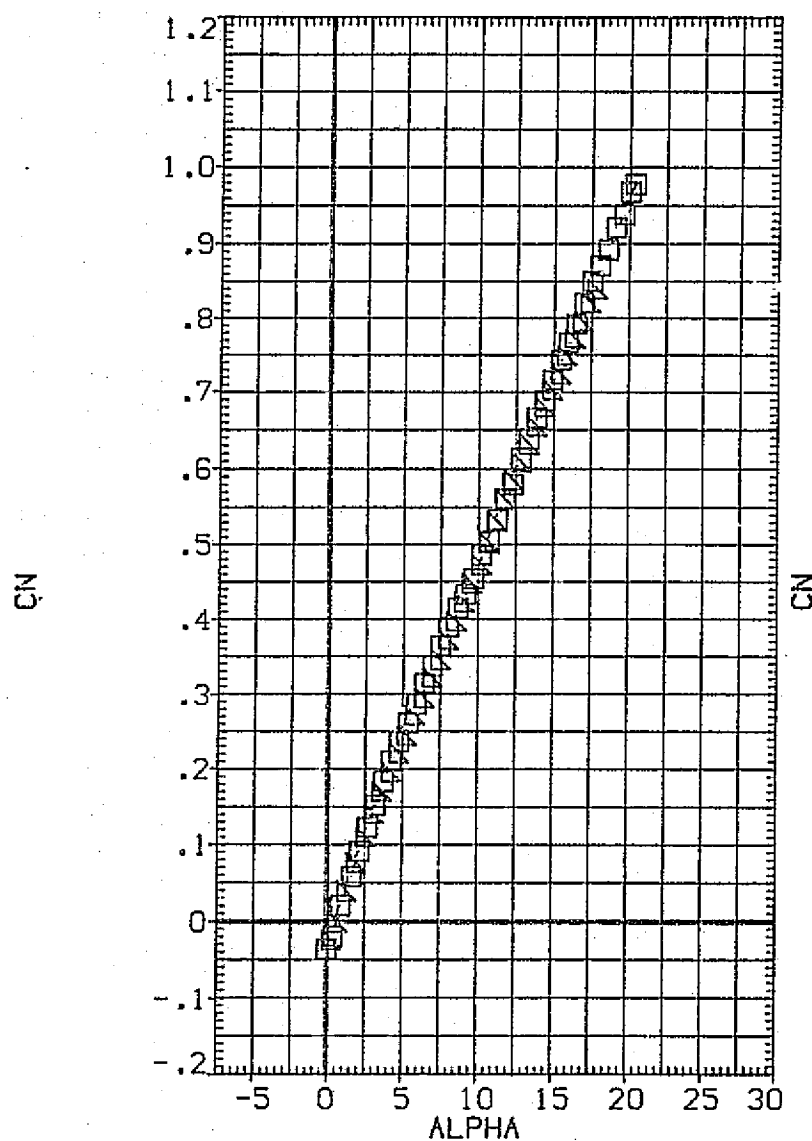


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= -2)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFDD10)	DATA NOT AVAILABLE
(AFDD11)	LA67 (LTV 552) ORBITER 49-0
(AFDD12)	DATA NOT AVAILABLE
(AFDD13)	DATA NOT AVAILABLE
(AFDD14)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. XO
12.000	.000	.000	-2.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

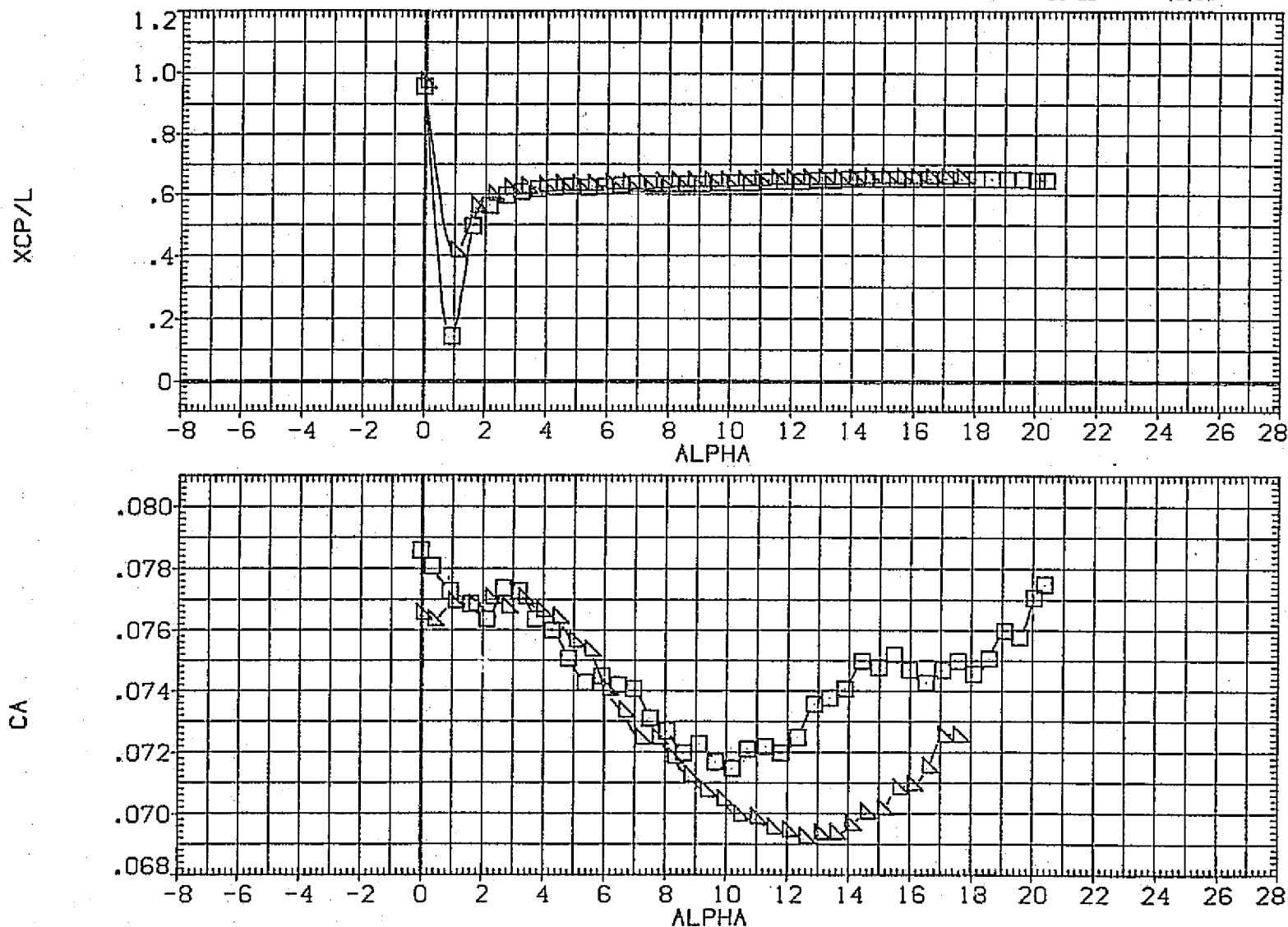


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
(AFDD10)	DATA NOT AVAILABLE	5.000	.000	.000	-2.000	SREF	2690.0000 SQ.FT.
(AFDD11)	LA67 (LTV 552) ORBITER 49-0	6.000	.000	.000	-2.000	LREF	474.8000 INCHES
(AFDD12)	DATA NOT AVAILABLE	7.500	.000	.000	-2.000	BREF	936.7000 INCHES
(AFDD13)	DATA NOT AVAILABLE	10.000	.000	.000	-2.000	XMRP	1076.7000 IN. X0
(AFDD14)	LA67 (LTV 552) ORBITER 49-0	12.000	.000	.000	-2.000	YMRP	.0000 IN. Y0
						ZMRP	375.0000 IN. Z0
						SCALE	.0150

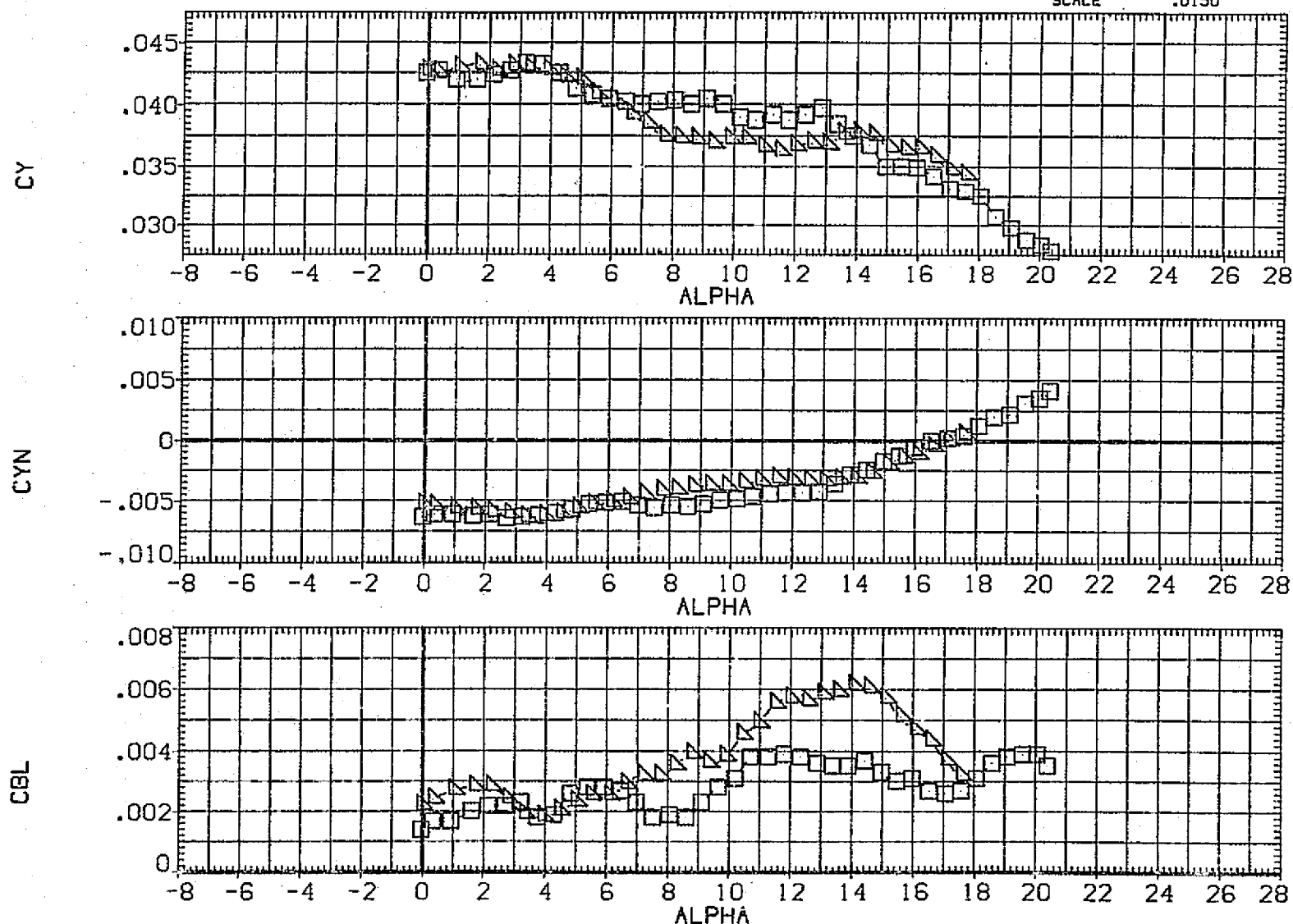


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= -2)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	DATA NOT AVAILABLE
(AFD011)	LA67 (LTV 552) ORBITER 49-0
(AFD012)	DATA NOT AVAILABLE
(AFD013)	DATA NOT AVAILABLE
(AFD014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

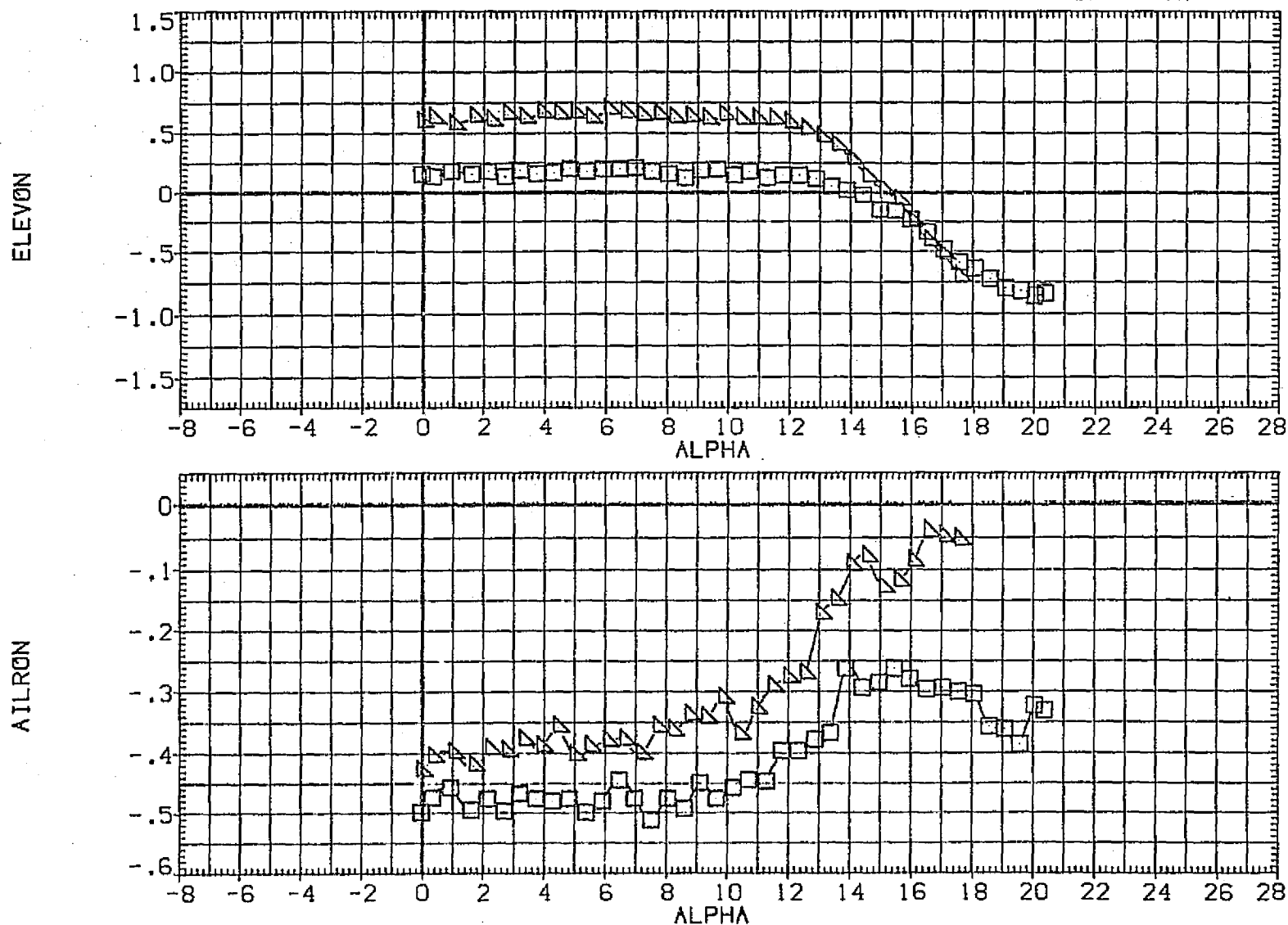


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD010)	DATA NOT AVAILABLE
(CFD011)	LA67 (LTV 552) ORBITER 49-0
(CFD012)	DATA NOT AVAILABLE
(CFD013)	DATA NOT AVAILABLE
(CFD014)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON
5.000	.000	.000
6.000	.000	.000
7.500	.000	.000
10.000	.000	.000
12.000	.000	.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

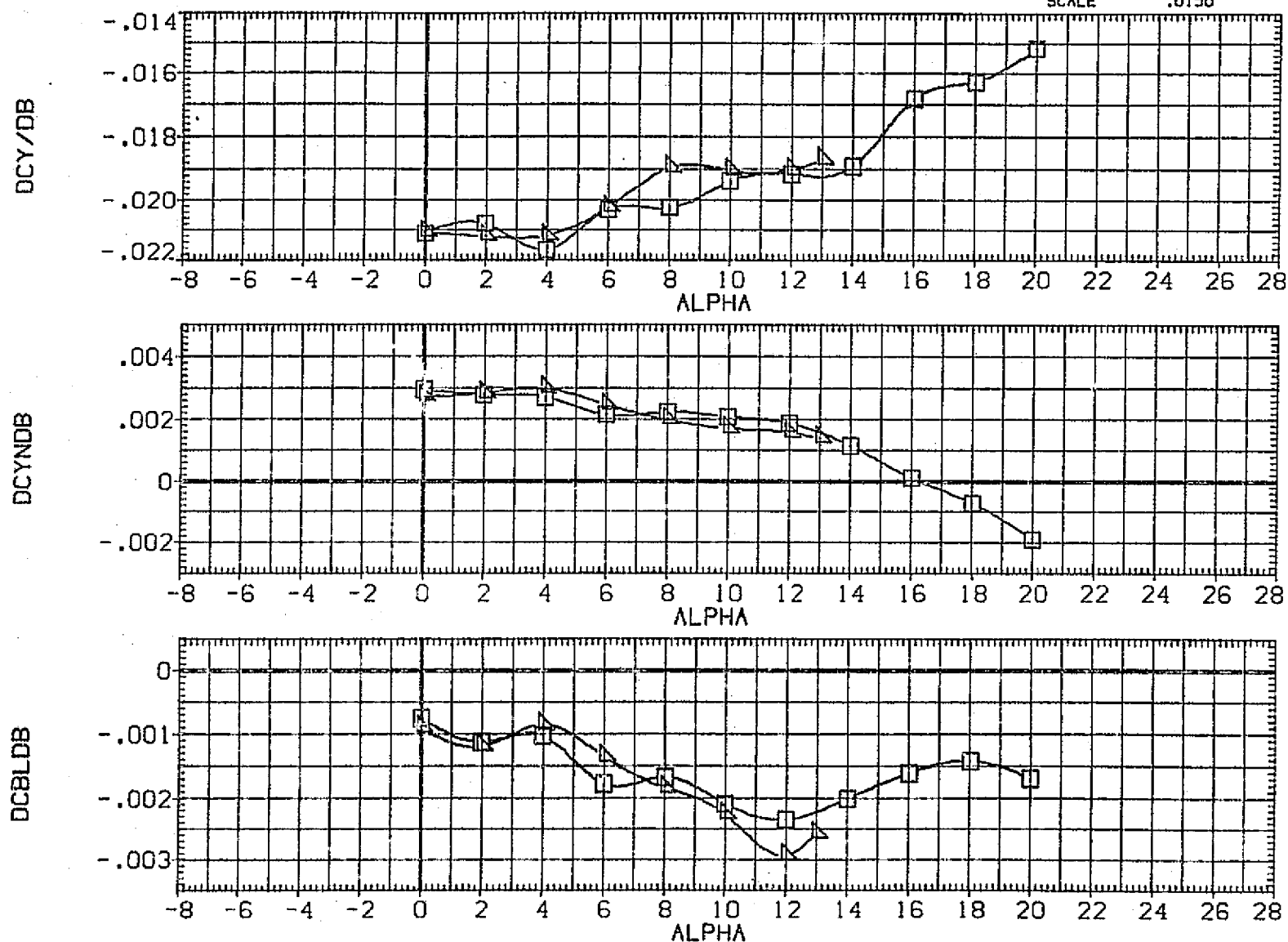


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = -2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFDD010)	DATA NOT AVAILABLE
(CFDD011)	LAG7 (LTV 552) ORBITER 49-0
(CFDD012)	DATA NOT AVAILABLE
(CFDD013)	DATA NOT AVAILABLE
(CFDD014)	LAG7 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON
5.000	.000	.000
6.000	.000	.000
7.500	.000	.000
10.000	.000	.000
12.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XHRP	1076.7000	IN. X0
YHRP	.0000	IN. Y0
ZHRP	375.0000	IN. Z0
SCALE	.0150	

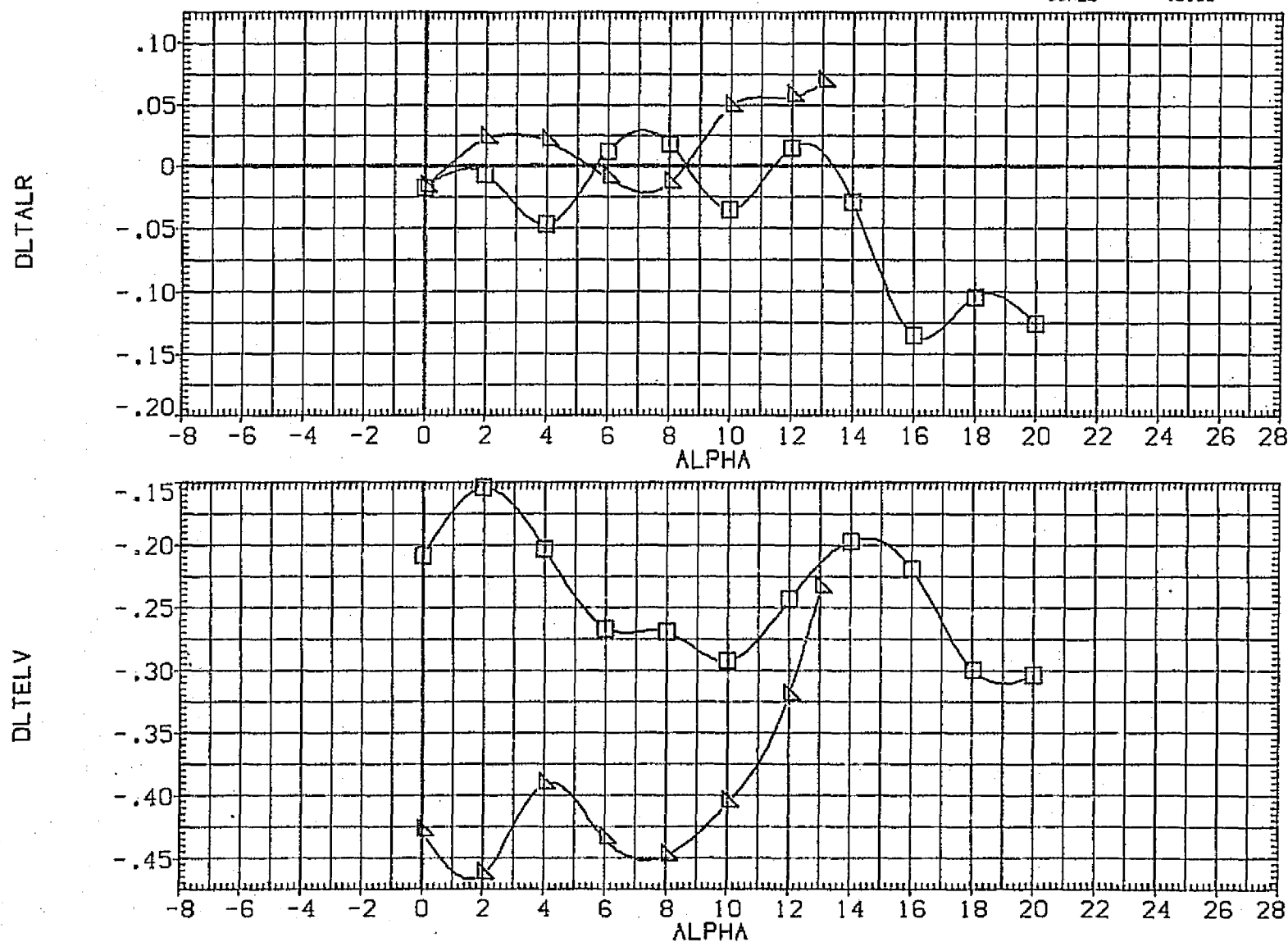


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = -2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0010)	DATA NOT AVAILABLE
(SF0011)	LA67 (LTV 552) ORBITER 49-0
(SF0012)	DATA NOT AVAILABLE
(SF0013)	LA67 (LTV 552) ORBITER 49-0
(SF0014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

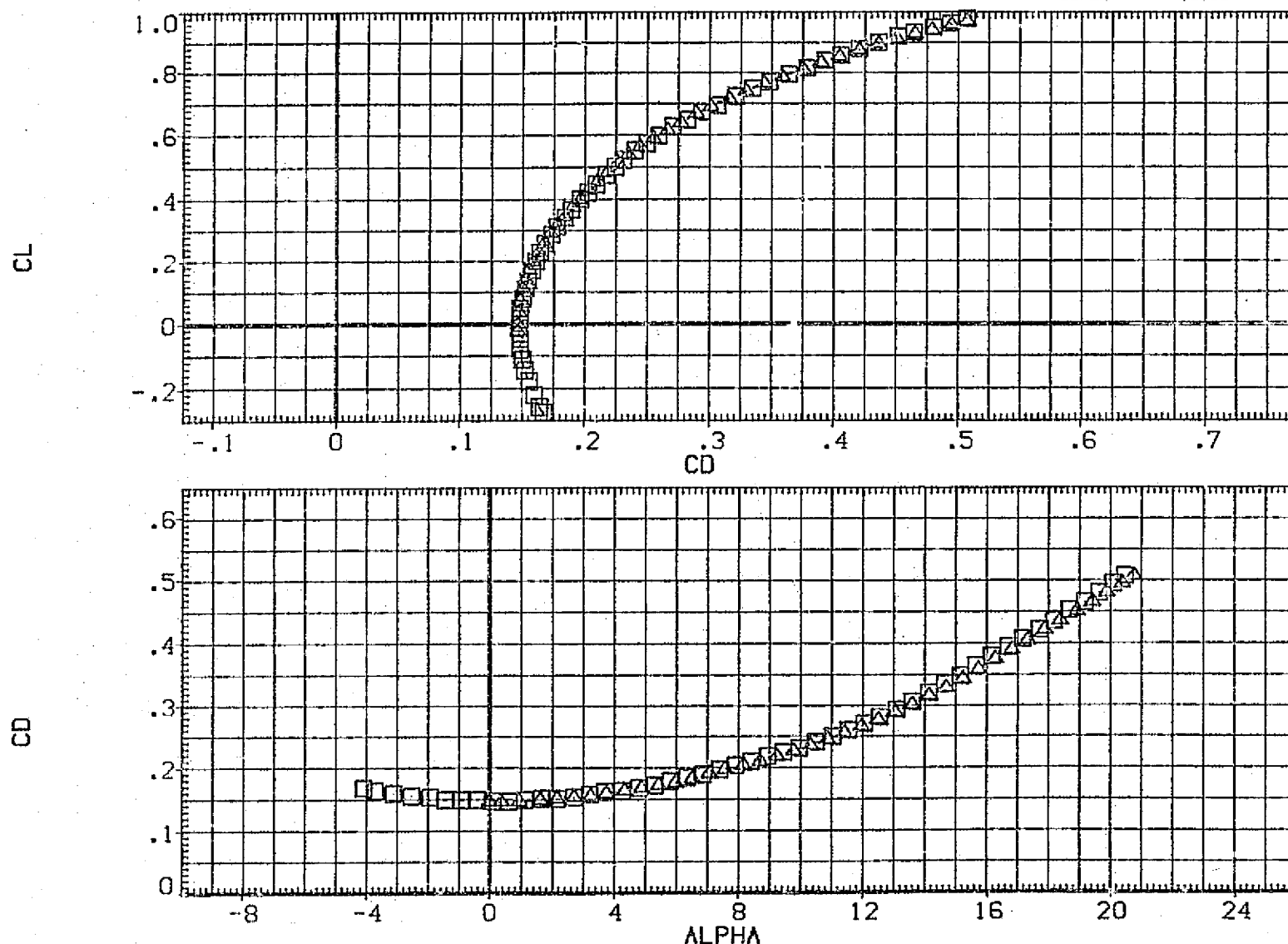


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0010)	DATA NOT AVAILABLE
(SF0011)	LA67 (LTV 552) ORBITER 49-0
(SF0012)	DATA NOT AVAILABLE
(SF0013)	LA67 (LTV 552) ORBITER 49-0
(SF0014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	YMRP 1076.7000 IN. XO
12.000	.000	.000	-2.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

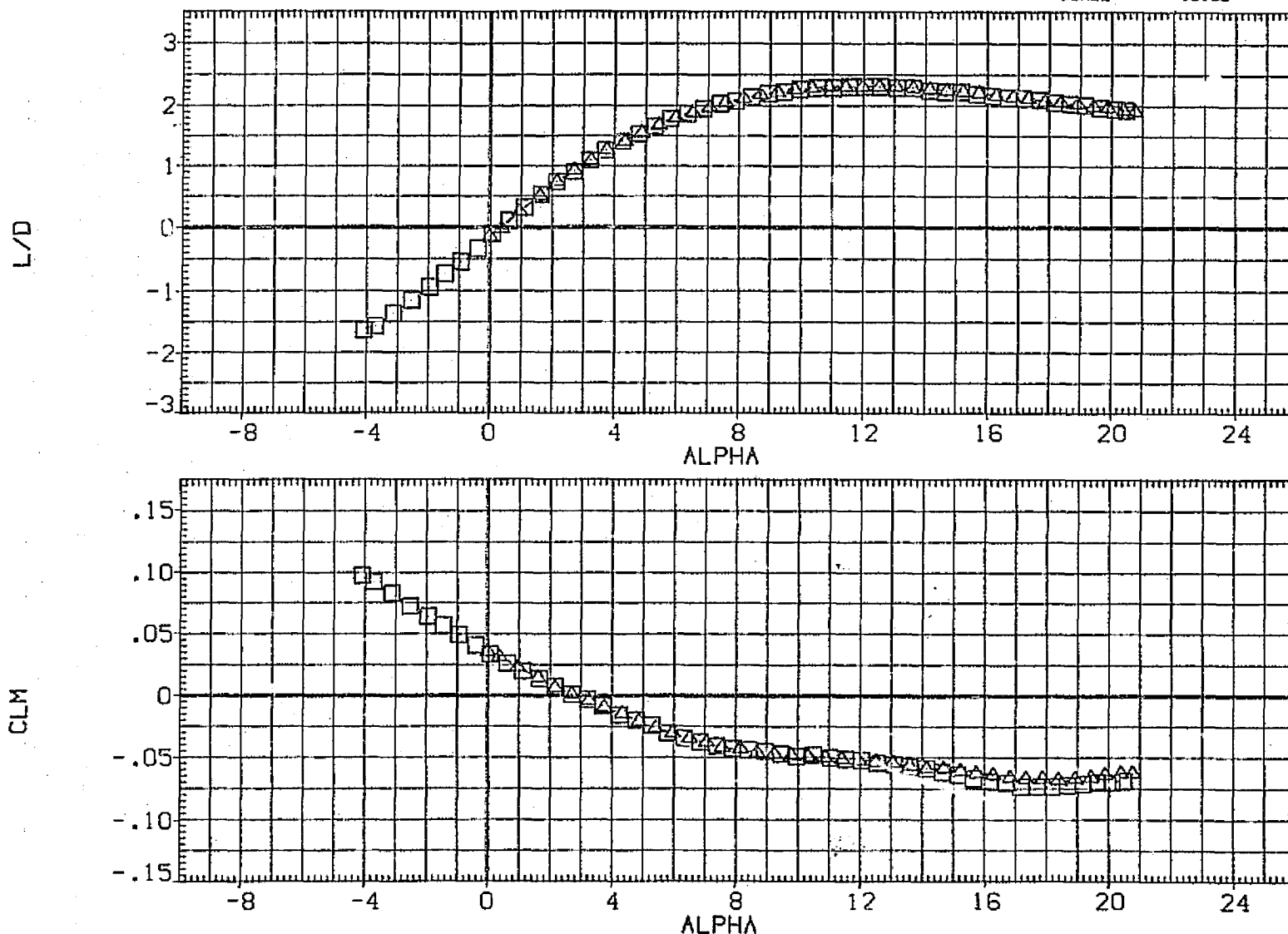


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0010)	DATA NOT AVAILABLE
(SF0011)	LA67 (LTV 552) ORBITER 49-0
(SF0012)	DATA NOT AVAILABLE
(SF0013)	LA67 (LTV 552) ORBITER 49-0
(SF0014)	DATA NOT AVAILABLE

RN/L	ELEVON	ATLRON	BETA	REFERENCE	UNIT
5.000	.000	.000	-2.000	SREF	2690.0000 SQ. FT.
6.000	.000	.000	-2.000	LREF	474.0000 INCHES
7.500	.000	.000	-2.000	BREF	936.7000 INCHES
10.000	.000	.000	-2.000	XMRP	10.0.7000 IN. X0
12.000	.000	.000	-2.000	YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

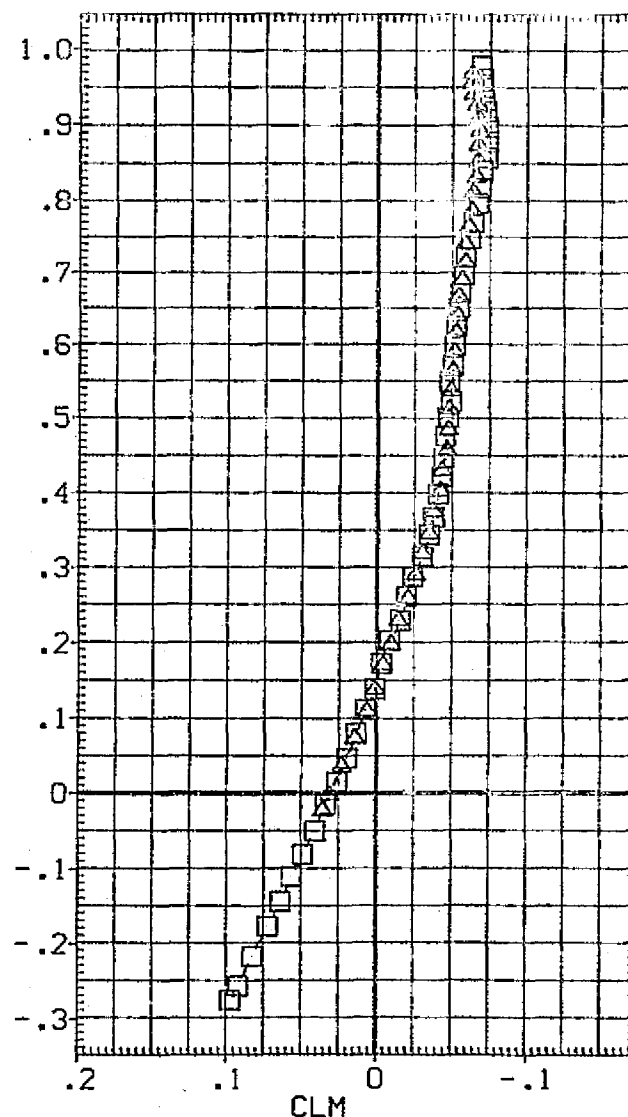
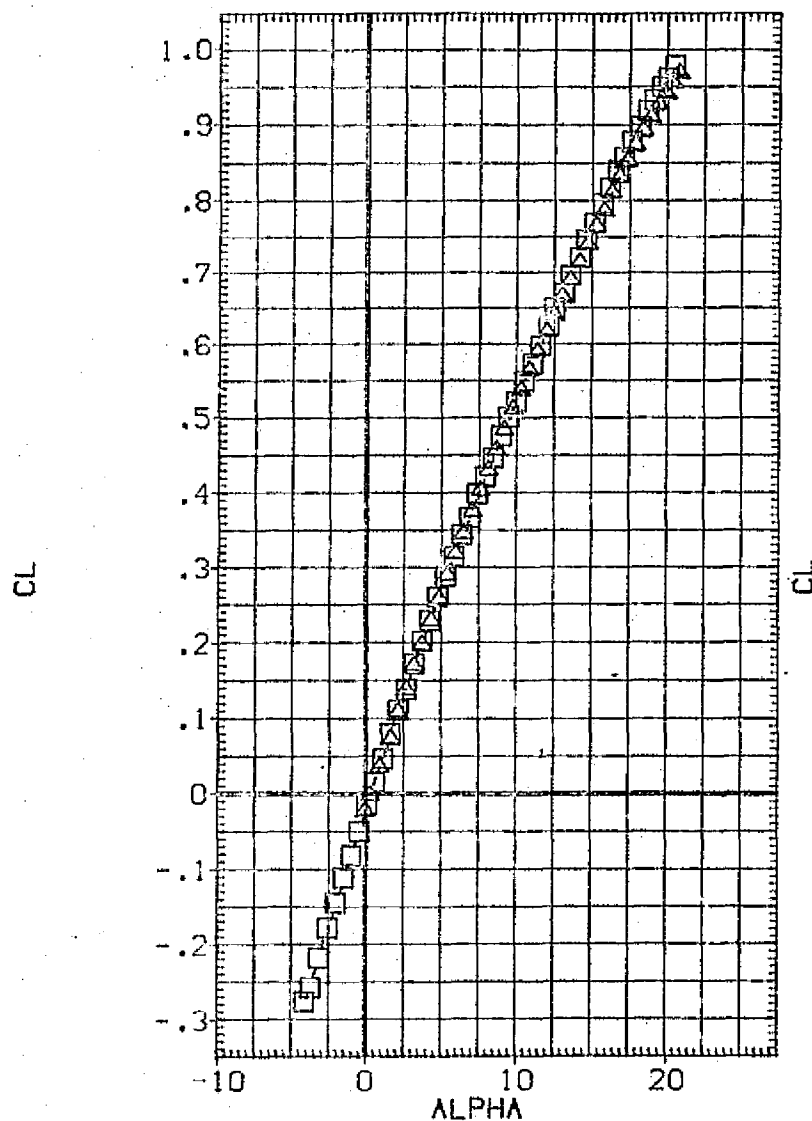


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0010)	DATA NOT AVAILABLE
(AF0011)	LA67 (LTV 552) ORBITER 49-0
(AF0012)	DATA NOT AVAILABLE
(AF0013)	LA67 (LTV 552) ORBITER 49-0
(AF0014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
5.000	.000	.000	-2.000	SREF	2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF	474.8000 INCHES
7.500	.000	.000	-2.000	BREF	936.7000 INCHES
10.000	.000	.000	-2.000	XMPP	1076.7000 IN. XO
12.000	.000	.000	-2.000	YMPP	.0000 IN. YO
				ZMPP	375.0000 IN. ZO
				SCALE	.0150

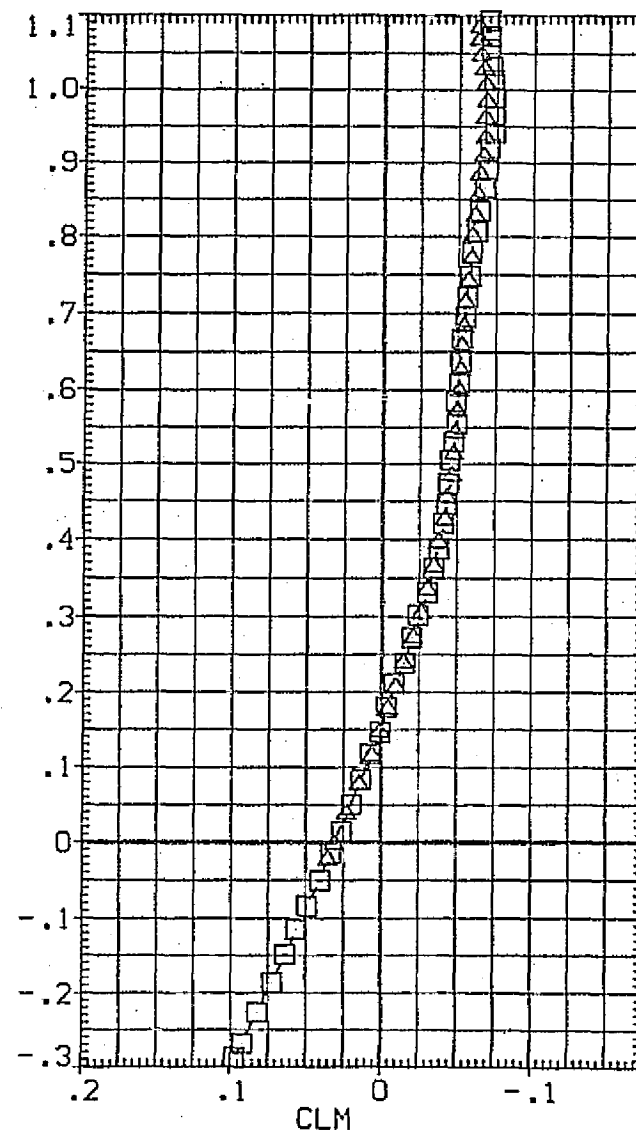
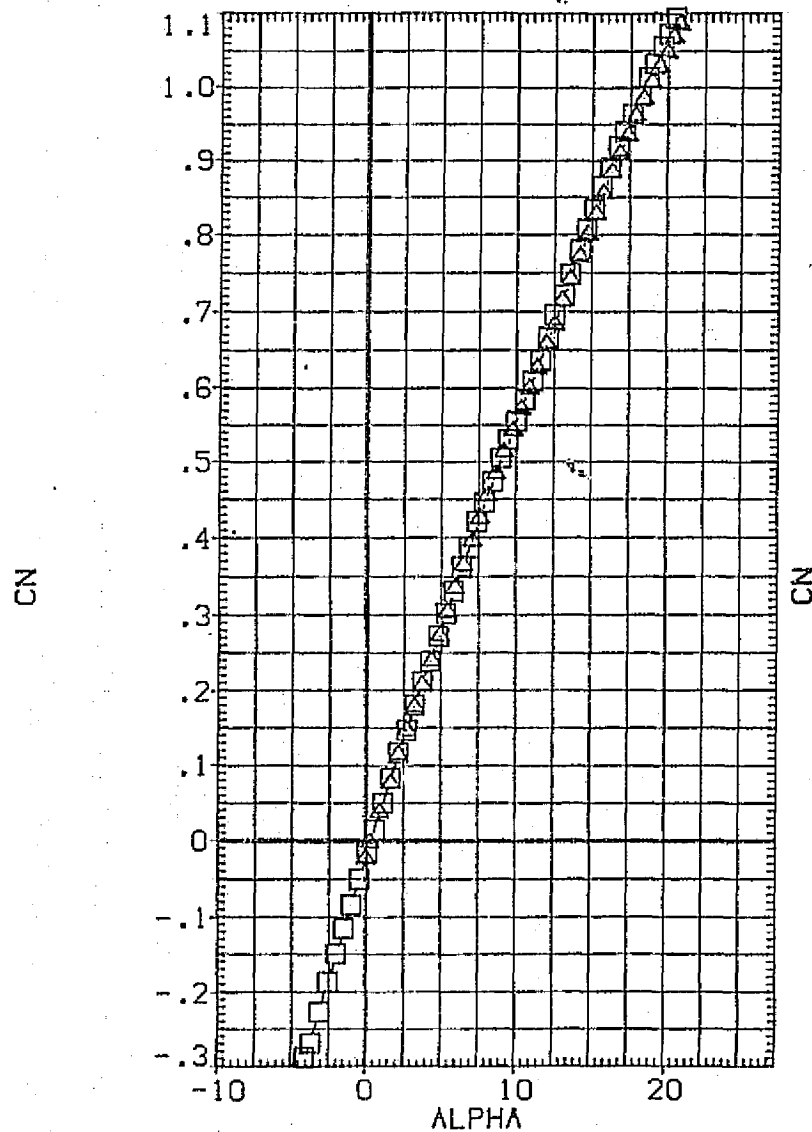


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	DATA NOT AVAILABLE
(AFD011)	LA67 (LTV 552) ORBITER 49-0
(AFD012)	DATA NOT AVAILABLE
(AFD013)	LA67 (LTV 552) ORBITER 49-0
(AFD014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 1690.0000 IN. ST.
6.000	.000	.000	-2.000	LREF 174.0000 INCHES
7.500	.000	.000	-2.000	SREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. X0
12.000	.000	.000	-2.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

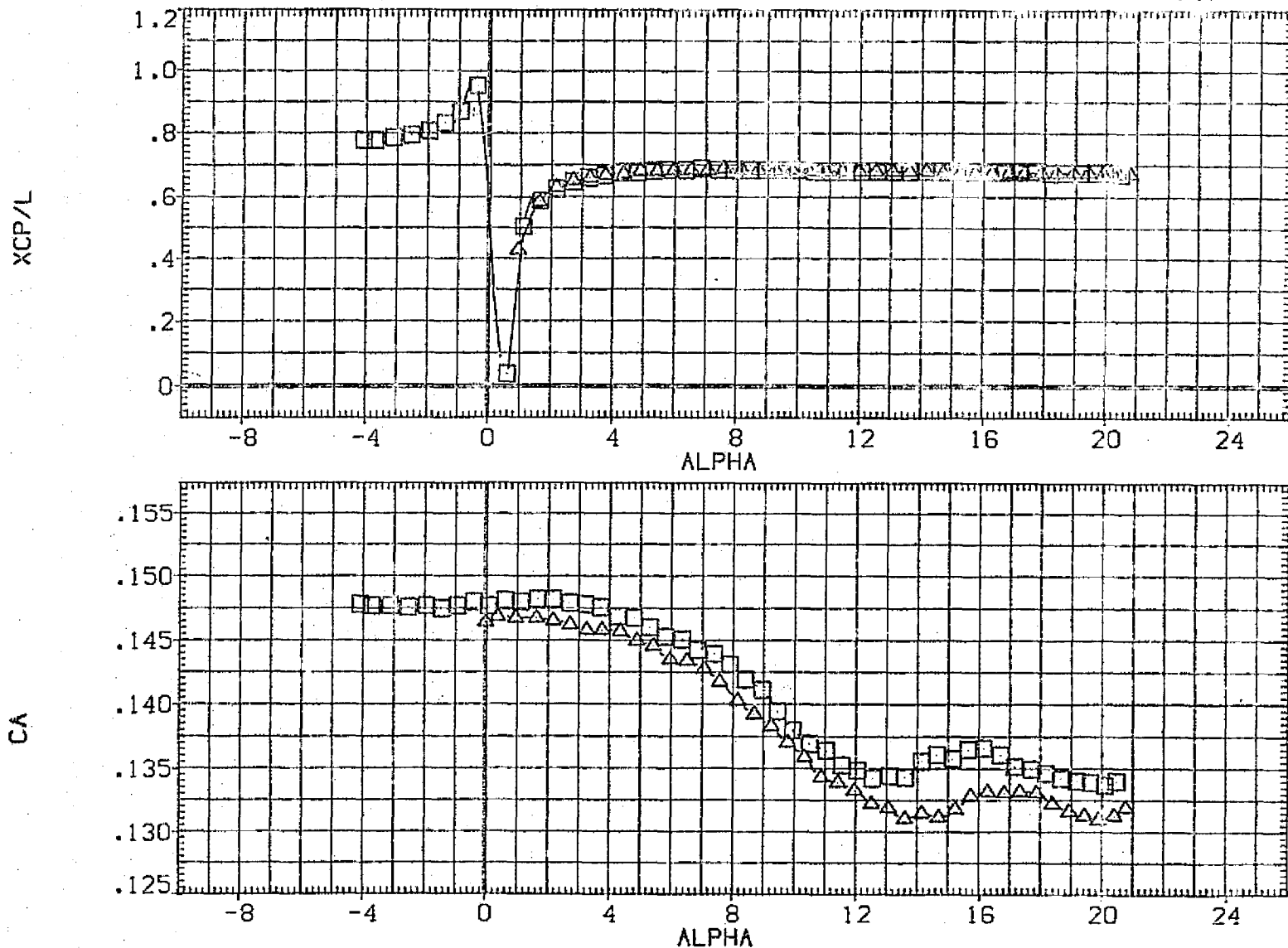


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA = -2)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0010)	DATA NOT AVAILABLE
(AF0011)	LA67 (LTV 552) ORBITER 49-0
(AF0012)	DATA NOT AVAILABLE
(AF0013)	LA67 (LTV 552) ORBITER 49-0
(AF0014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILERON	BETA	REFERENCE INFORMATION
5.000	.000	.000	-2.000	SREF 2690.0000 SQ.FT.
6.000	.000	.000	-2.000	LREF 474.8000 INCHES
7.500	.000	.000	-2.000	BREF 936.7000 INCHES
10.000	.000	.000	-2.000	XMRP 1076.7000 IN. XO
12.000	.000	.000	-2.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

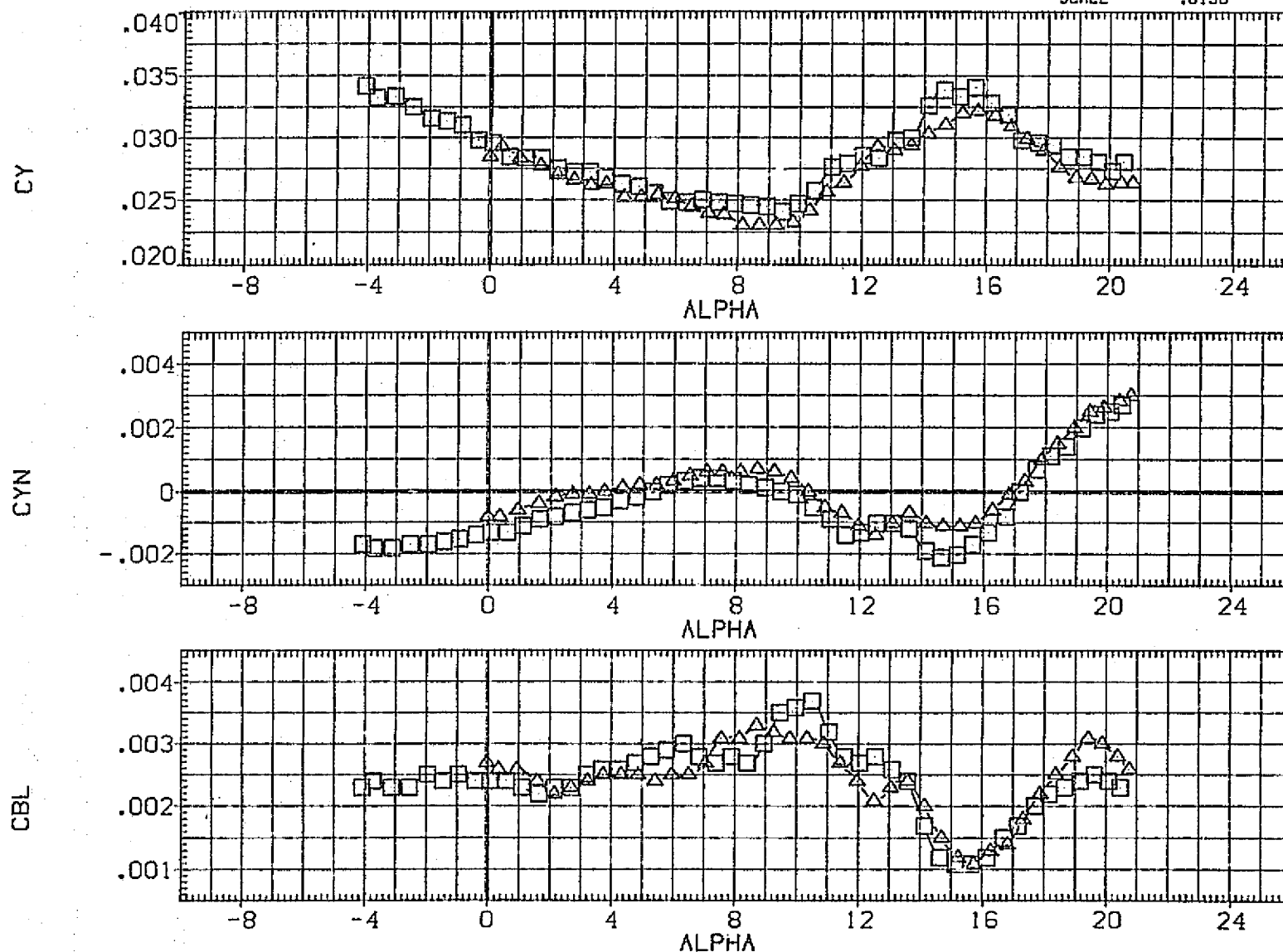


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= -2)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	DATA NOT AVAILABLE
(AFD011)	LA67 (LTV 552) ORBITER 49-0
(AFD012)	DATA NOT AVAILABLE
(AFD013)	LA67 (LTV 552) ORBITER 49-0
(AFD014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	-2.000	SREF	2690.0000	50. FT.
8.000	.000	.000	-2.000	LREF	474.8000	INCHES
7.500	.000	.000	-2.000	BREF	936.7000	INCHES
10.000	.000	.000	-2.000	XMRP	1076.7000	IN. X0
12.000	.000	.000	-2.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

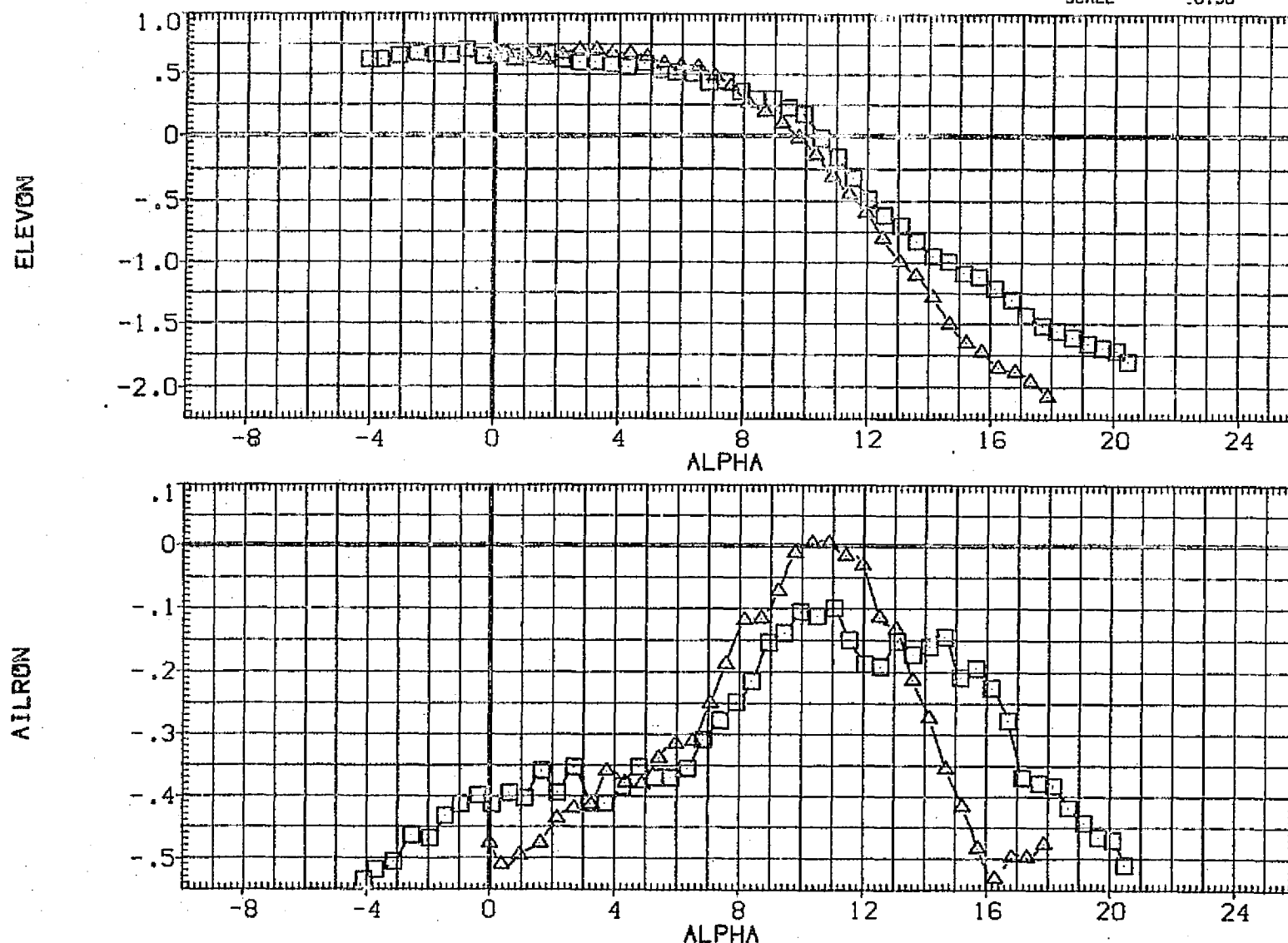


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= -2)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD010)	DATA NOT AVAILABLE
(CFD011)	LA67 (LTV 552) ORBITER 49-0
(CFD012)	DATA NOT AVAILABLE
(CFD013)	LA67 (LTV 552) ORBITER 49-0
(CFD014)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON
5.000	.000	.000
6.000	.000	.000
7.500	.000	.000
10.000	.000	.000
12.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

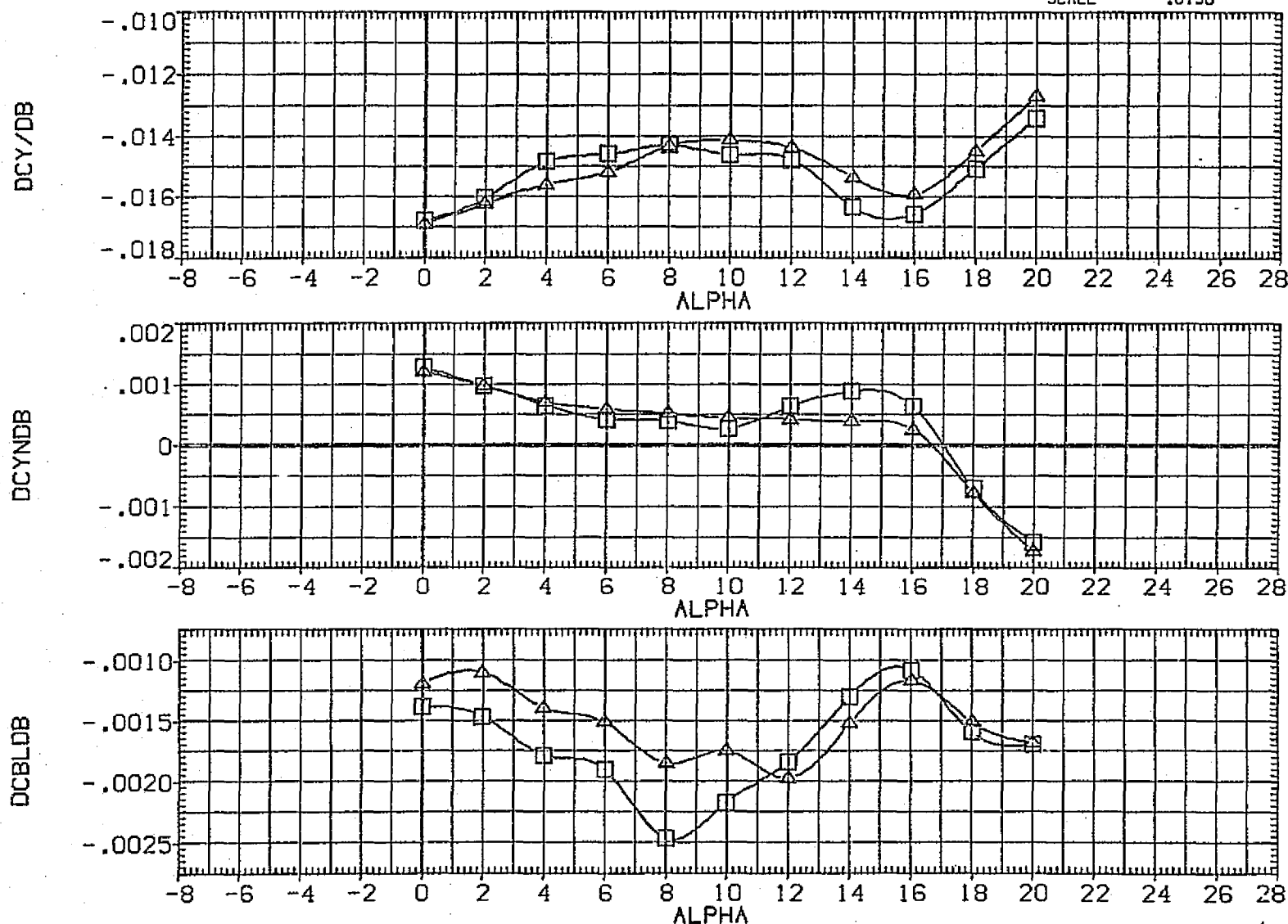


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = -2)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CF0010)	DATA NOT AVAILABLE
(CF0011)	LA67 (LTV 552) ORBITER 49-0
(CF0012)	DATA NOT AVAILABLE
(CF0013)	LA67 (LTV 552) ORBITER 49-0
(CF0014)	DATA NOT AVAILABLE

RN/L	ELE	AILRON
5.000	.000	.000
6.000	.000	.000
7.500	.000	.000
10.000	.000	.000
12.000	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	471.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

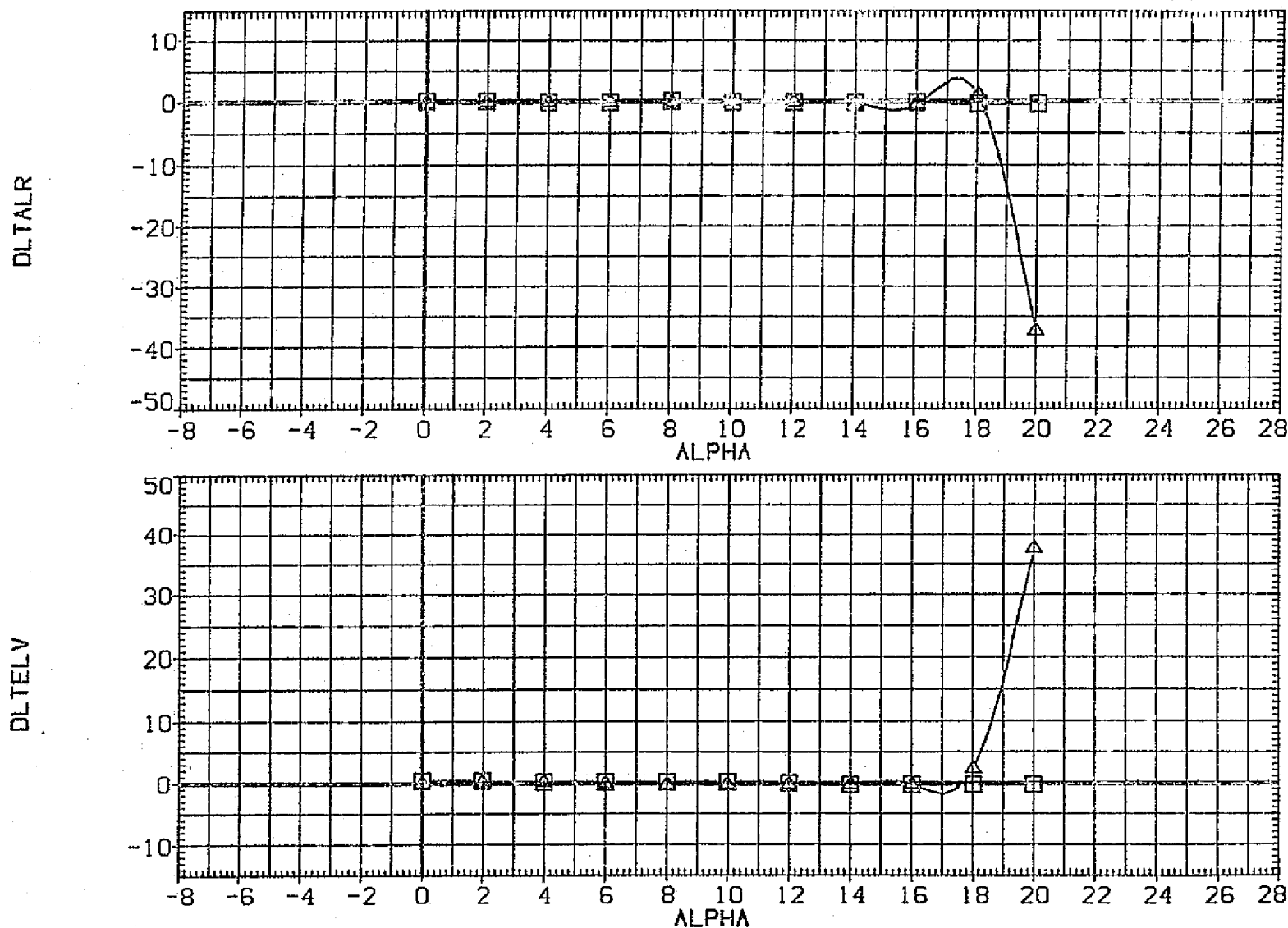


FIG. 5 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = -2)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD019)	LA67 (LTV 552) ORBITER 49-0
(SFD020)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	2.000	SREF 2690.0000 SQ.FT.
7.500	.000	.000	2.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. XO
				YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

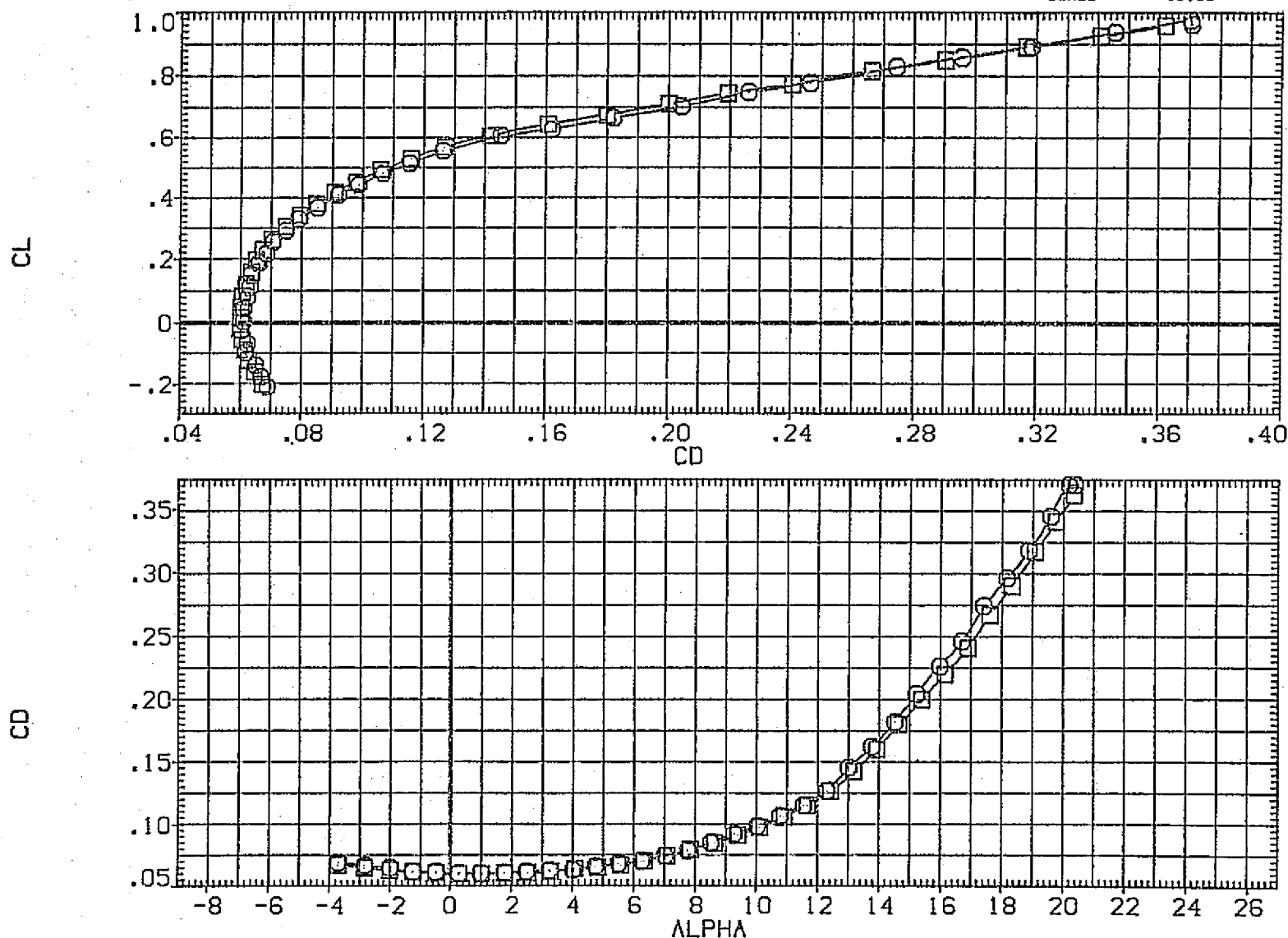


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 2)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0019) ○	LA67 (LTV 552) ORBITER 49-0
(SF0020) □	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	2.000	SREF	2690.0000	SQ. FT.
7.500	.000	.000	2.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

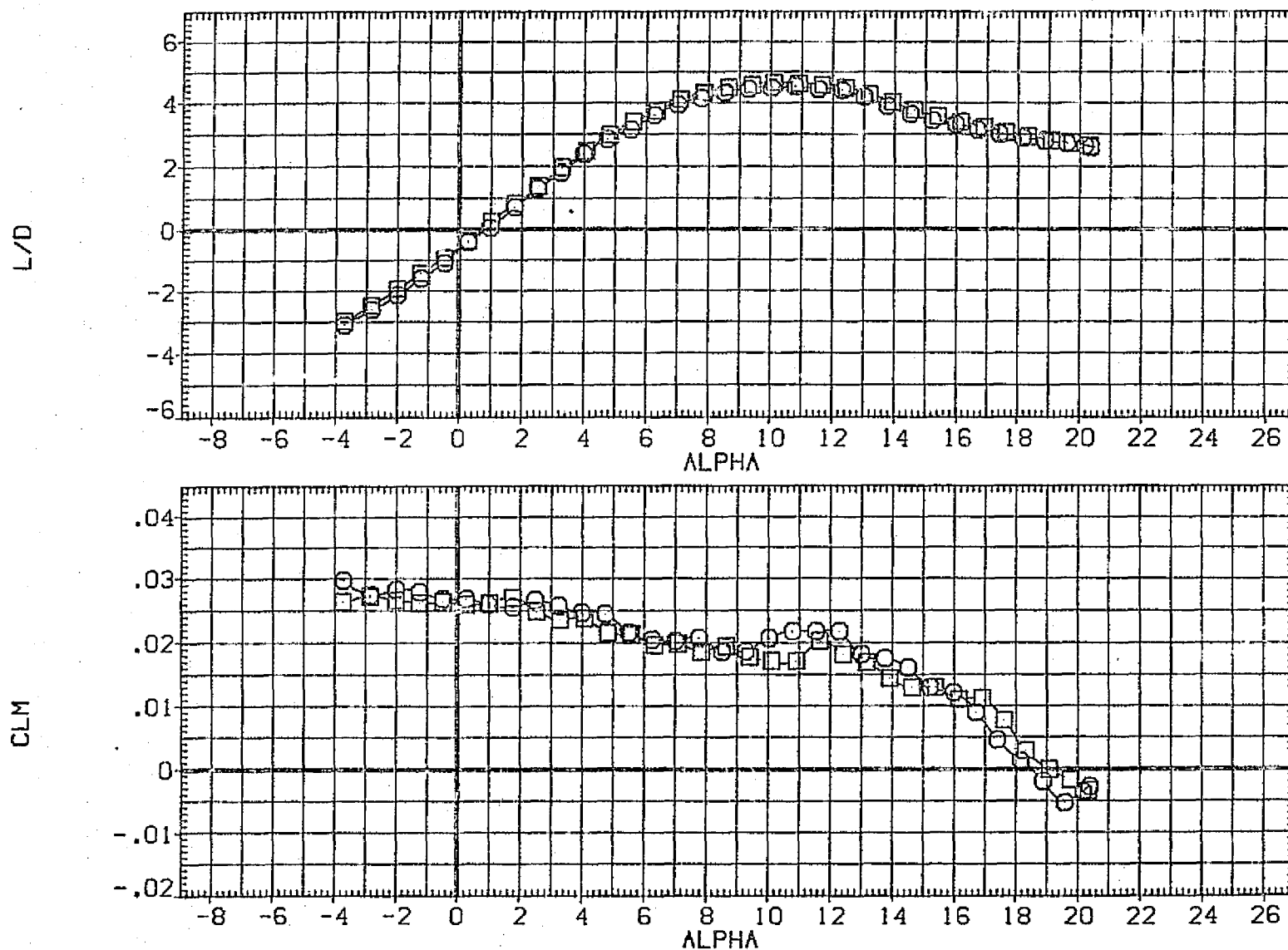


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 2)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD019) \square	LA67 (LTV 552) ORBITER 49-0
(SFD020) \square	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILERON	BETA	REFERENCE INFORMATION		
5.000	.000	.000	2.000	SREF	2690.0000	SQ.FT.
7.500	.000	.000	2.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

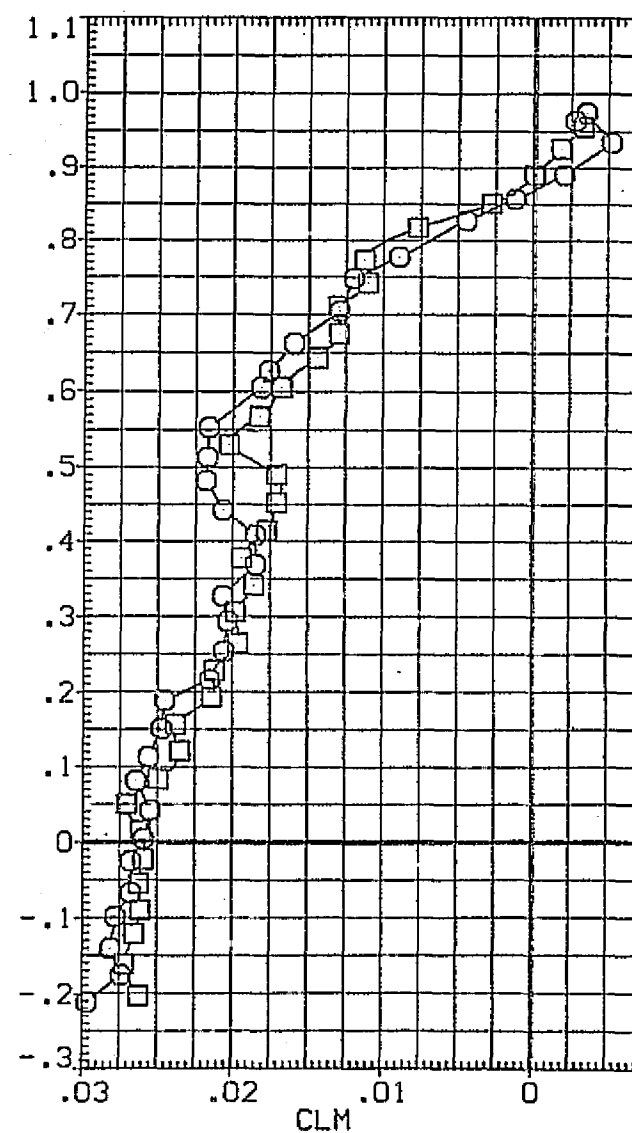
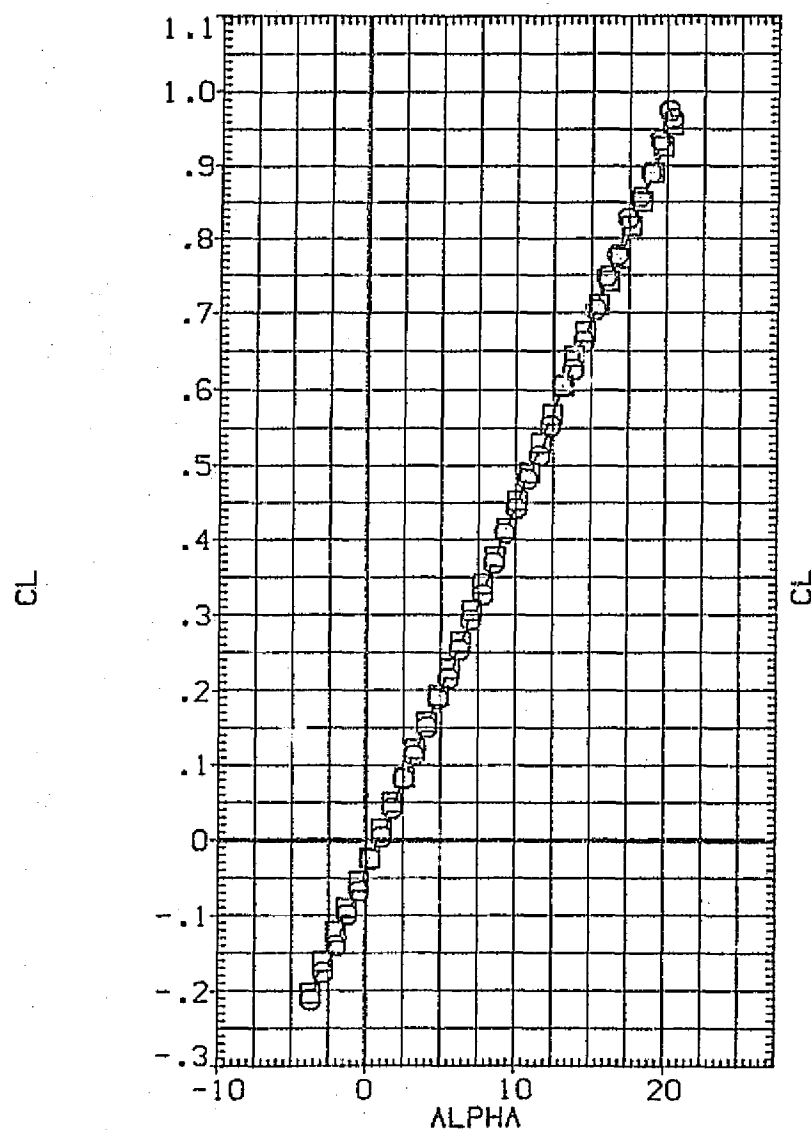


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD019)	LA67 (LTV 552) ORBITER 49-0
(AFD020)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	2.000	SREF 2030.0000 SQ. FT.
7.500	.000	.000	2.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XNREF 1076.7000 IN. X0
				YNREF .0000 IN. Y0
				ZNREF 375.0000 IN. Z0
				SCALE .0150

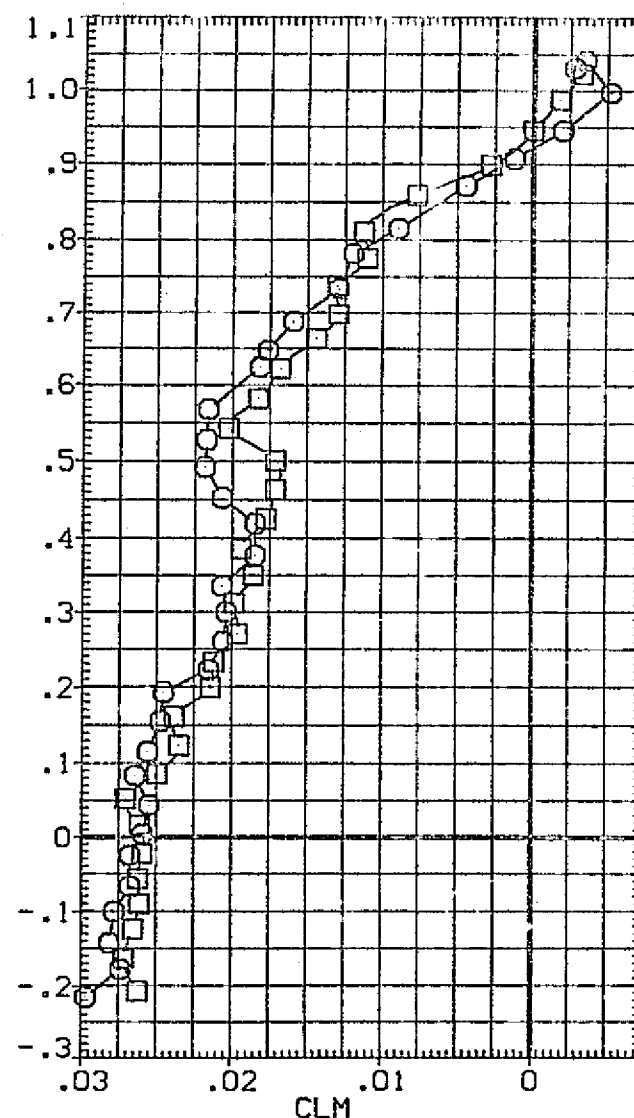
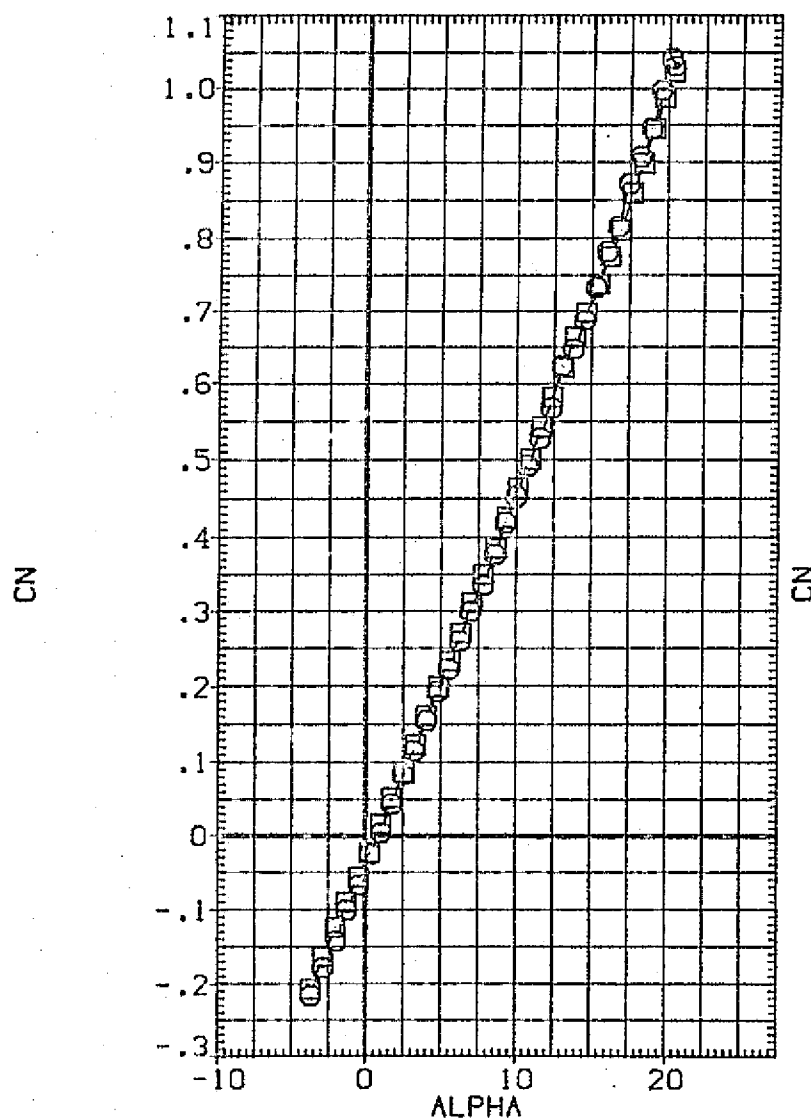


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 2)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD019) □	LA67 (LTV S52) ORBITER 49-0
(AFD020) □	LA67 (LTV S52) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA
5.000	.000	.000	2.000
7.500	.000	.000	2.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

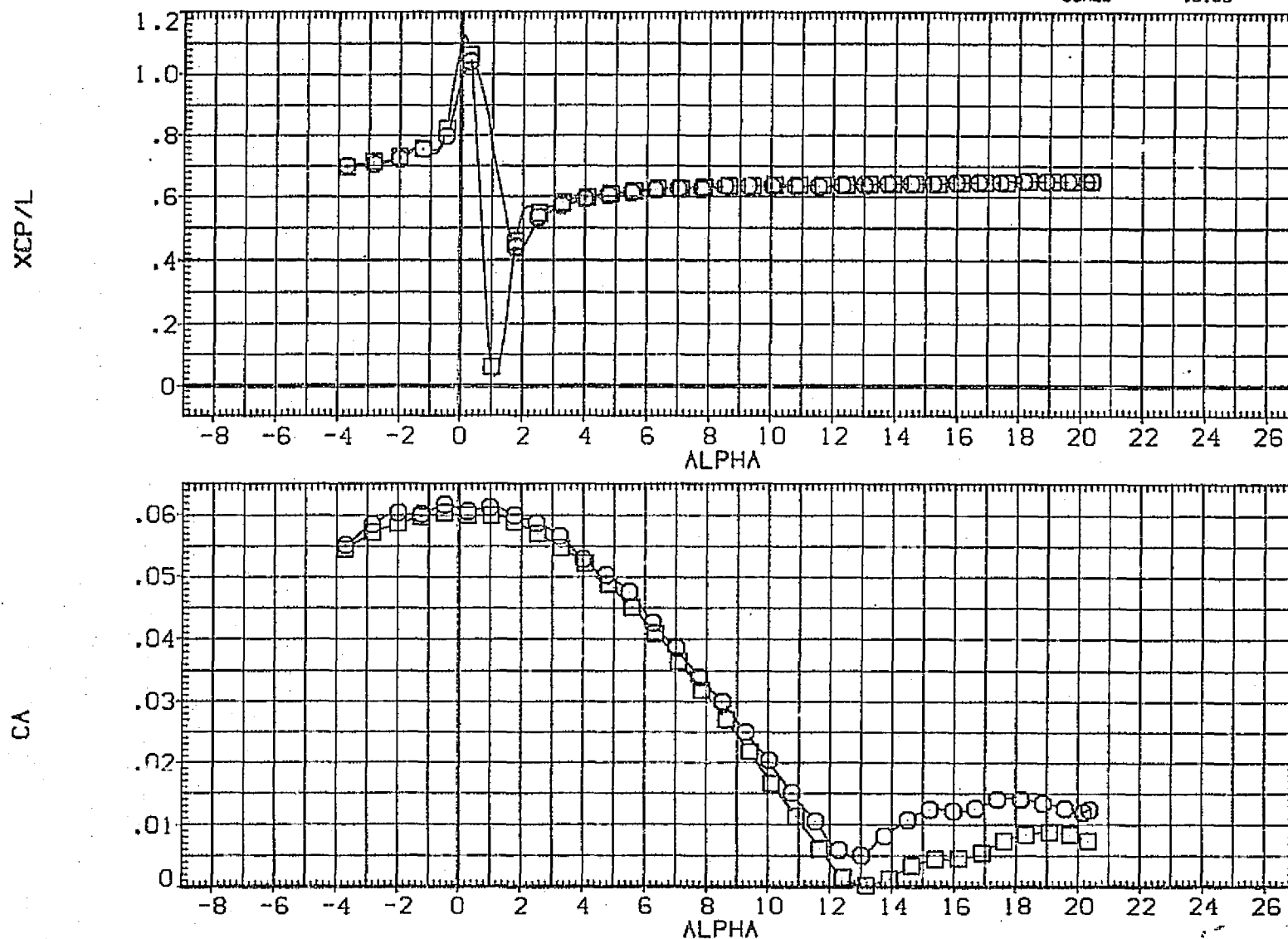


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 2)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFDD19)	LA67 (LTV 552) ORBITER 49-0
(AFDD20)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	2.000	SREF 2690.0000 IN. FT.
7.500	.000	.000	2.000	LREF 474.8000 INCHES
				PREF 935.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

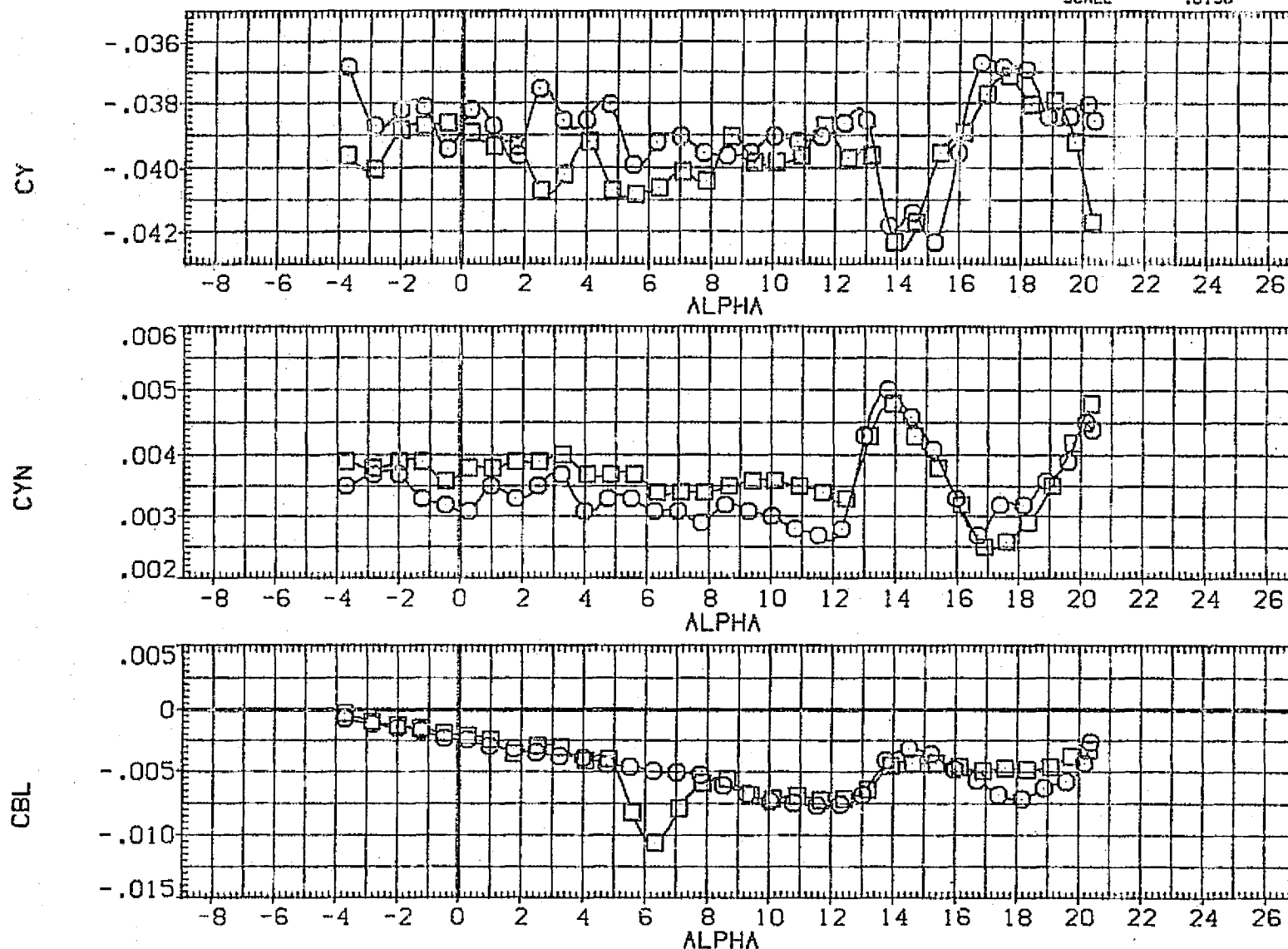


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD019)	LA67 (LTV 552) ORBITER 49-0
(AFD020)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	.000	.000	2.000	SREF 2690.0000 SQ.FT.
7.500	.000	.000	2.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. XO
				YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

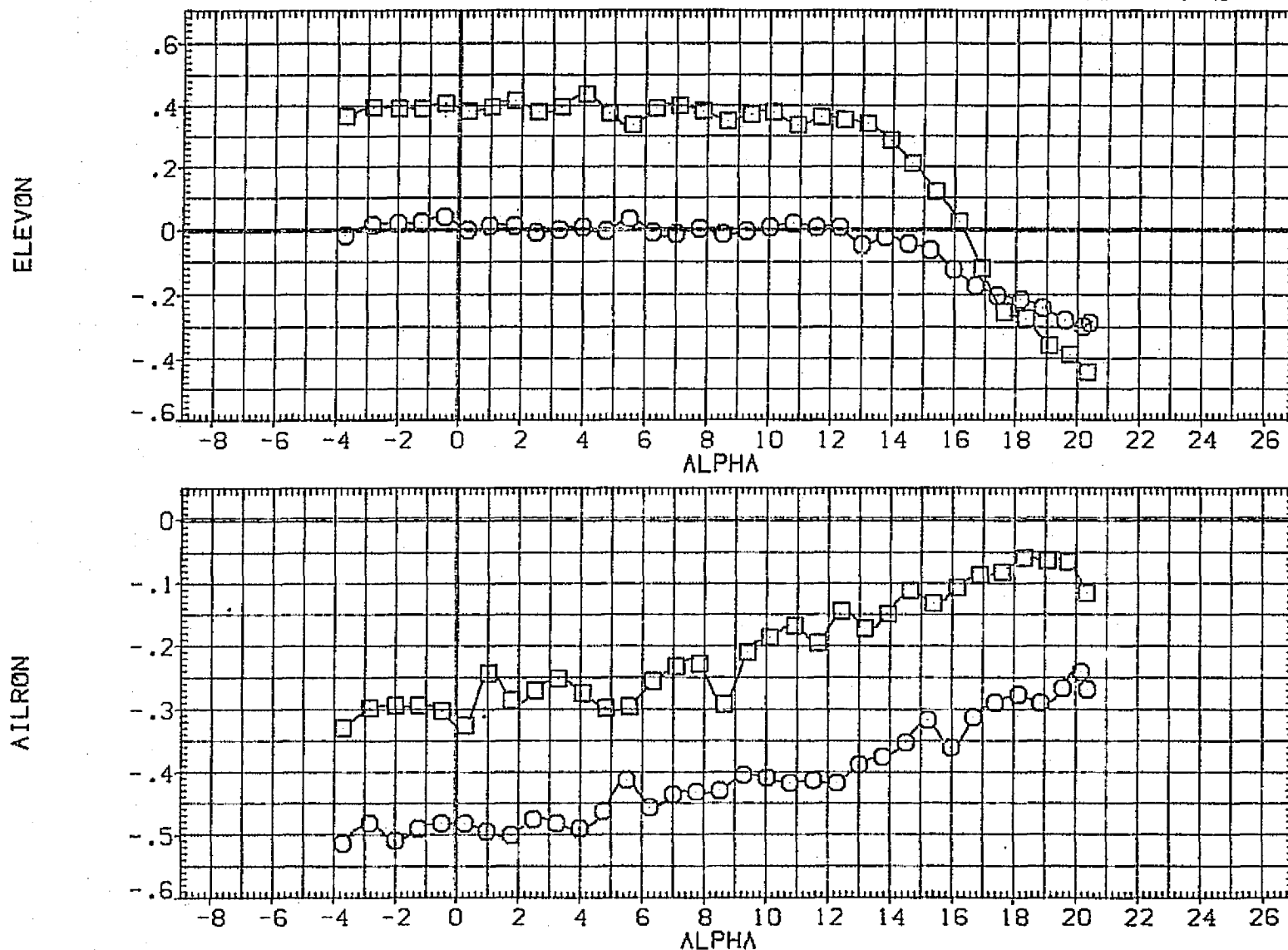


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 2)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD019) ○	LA67 (LTV 552) ORBITER 49-0
(CFD020) □	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON
5.000	.000	.000
7.500	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	411.6000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0100	

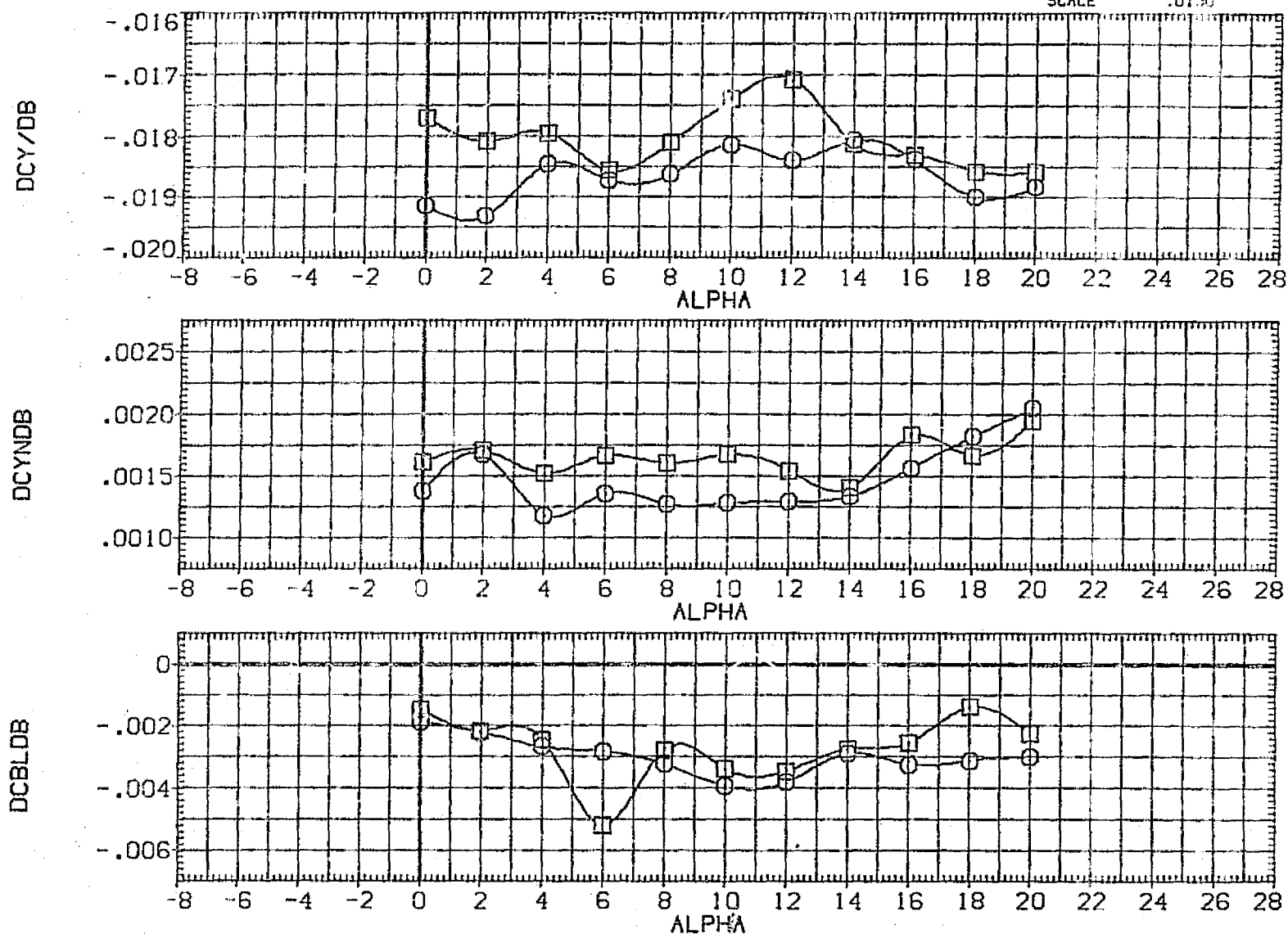


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = 2)

(A)MACH = .60

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DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(CFD019)	LA67 (LTV 552)	ORBITER 49-0
(CFD020)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON
5.000	.000	.000
7.500	.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

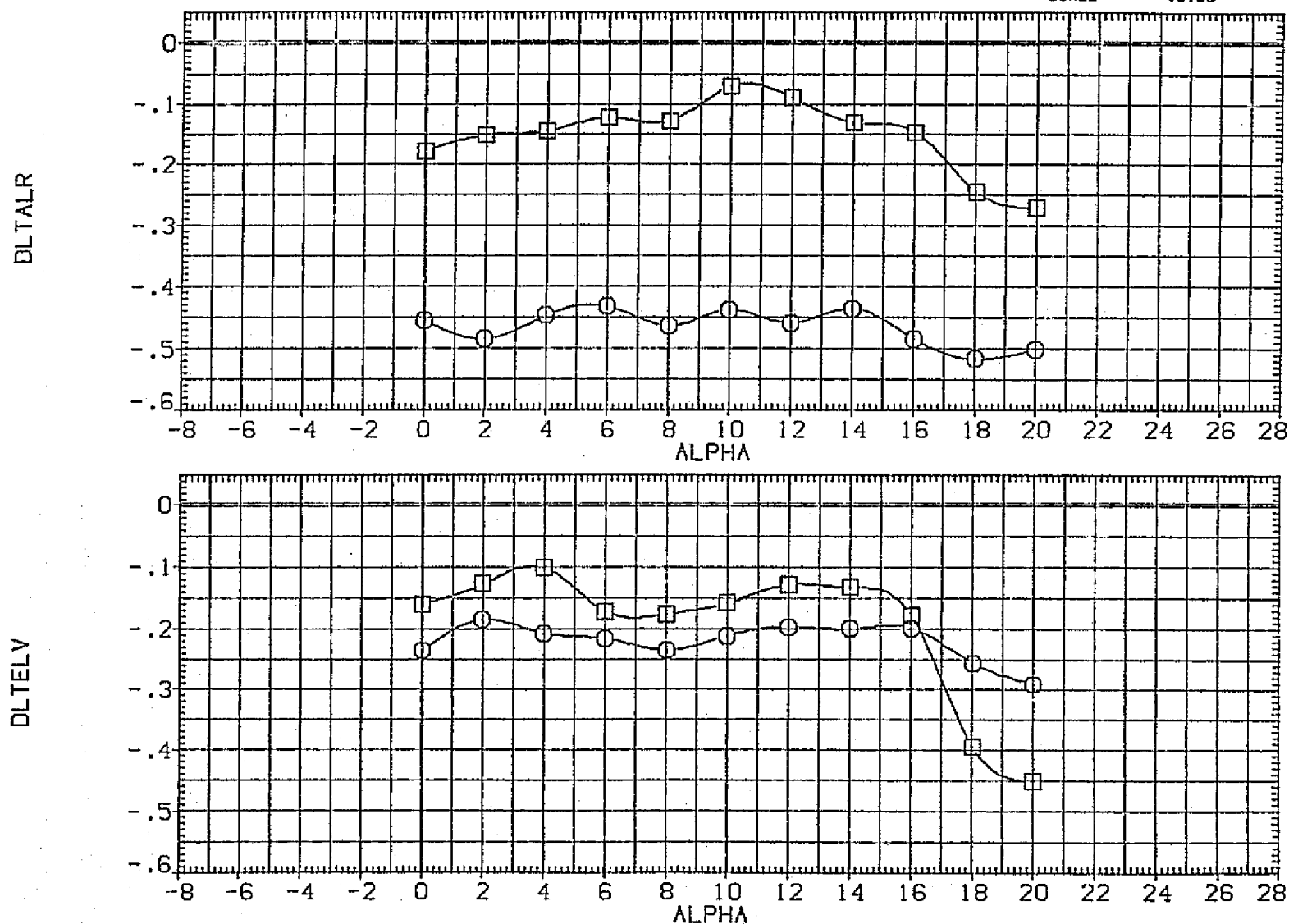


FIG. 6 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (DELTA BETA = 2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD026)	LA67 (LTV 552) ORBITER 49-0
(SFD027)	DATA NOT AVAILABLE
(SFD028)	LA67 (LTV 552) ORBITER 49-0
(SFD029)	LA67 (LTV 552) ORBITER 49-0
(SFD030)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2030.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

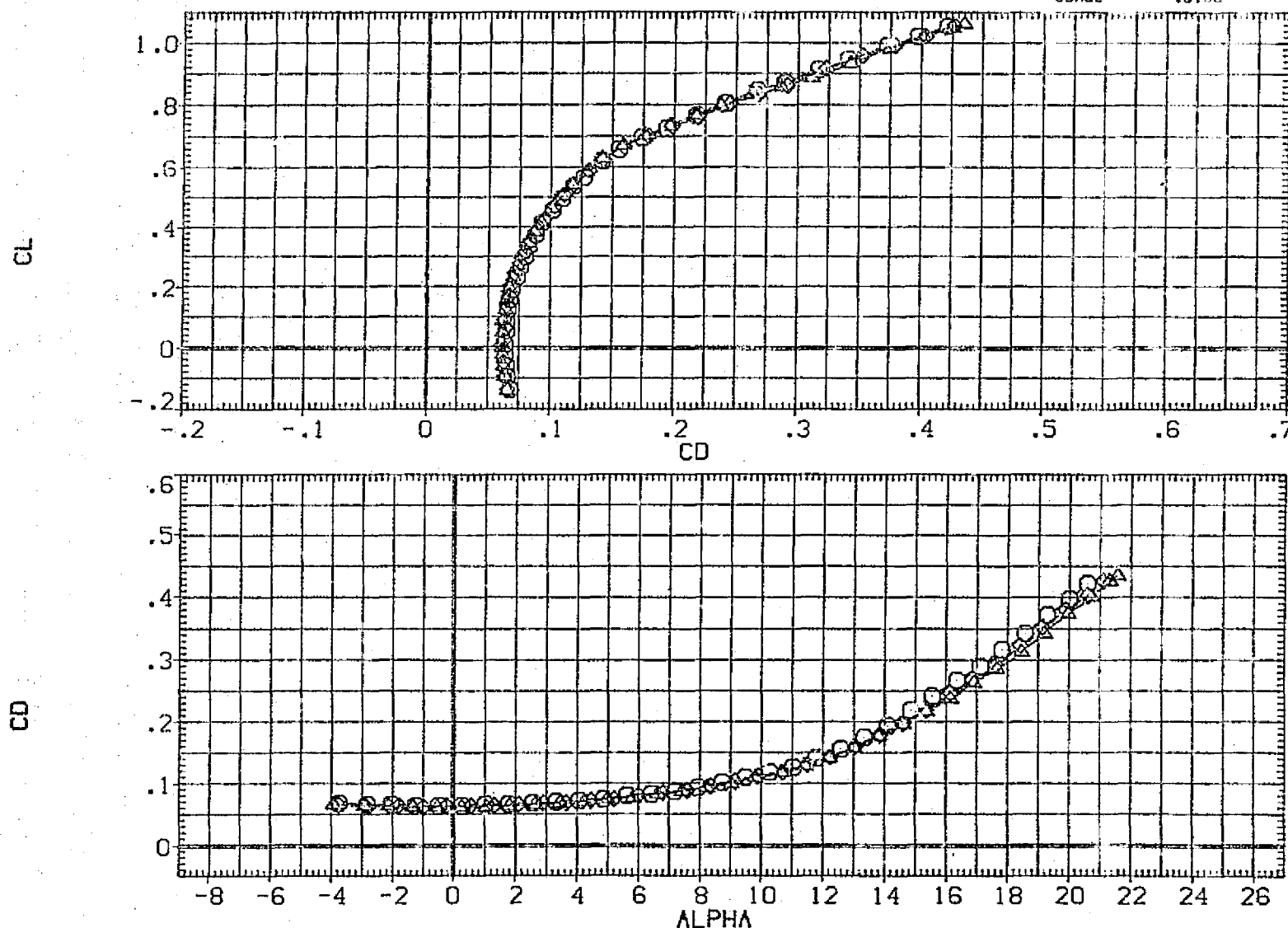


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)

(A) MACH = .60

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD026)	LA67 (LTV 552) ORBITER 49-0
(SFD027)	DATA NOT AVAILABLE
(SFD028)	LA67 (LTV 552) ORBITER 49-0
(SFD029)	LA67 (LTV 552) ORBITER 49-0
(SFD030)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRF 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRF .0000 IN. Y0
				ZMRF 375.0000 IN. Z0
				SCALE .0150

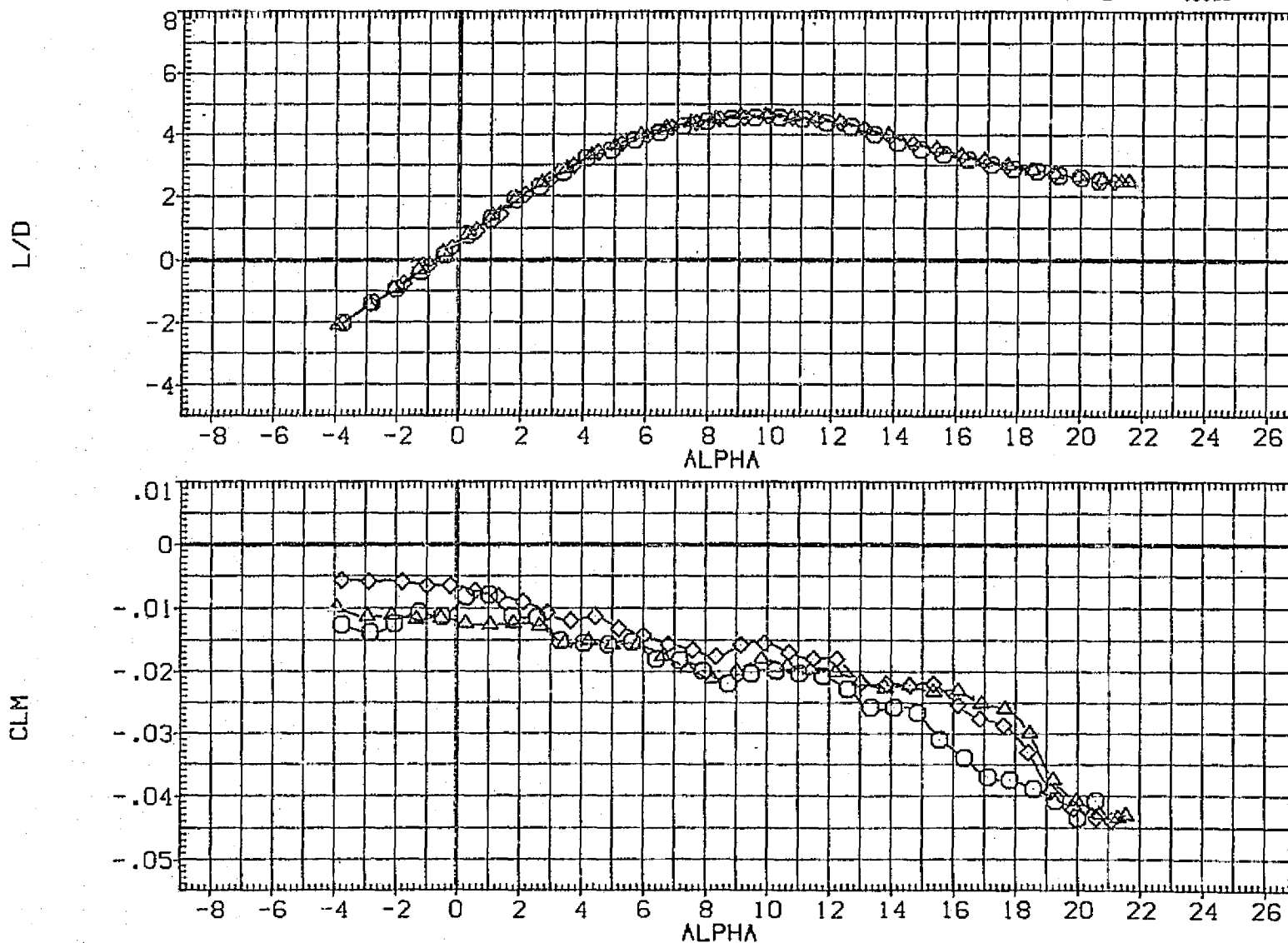


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD026)	LA67 (LTV 552) ORBITER 49-0
(SFD027)	DATA NOT AVAILABLE
(SFD028)	LA67 (LTV 552) ORBITER 49-0
(SFD029)	LA67 (LTV 552) ORBITER 49-0
(SFD030)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
5.000	5.000	2.000	.000	SREF	2690.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF	474.8000 INCHES
7.500	5.000	2.000	.000	BREF	136.7000 INCHES
10.000	5.000	2.000	.000	XMRP	1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

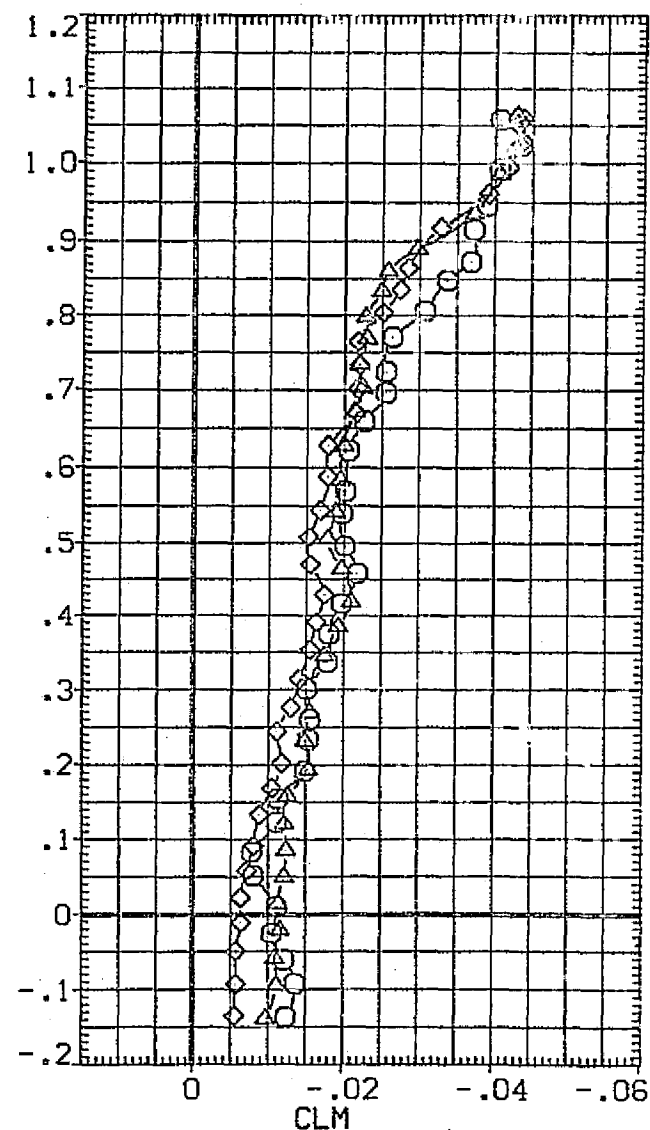
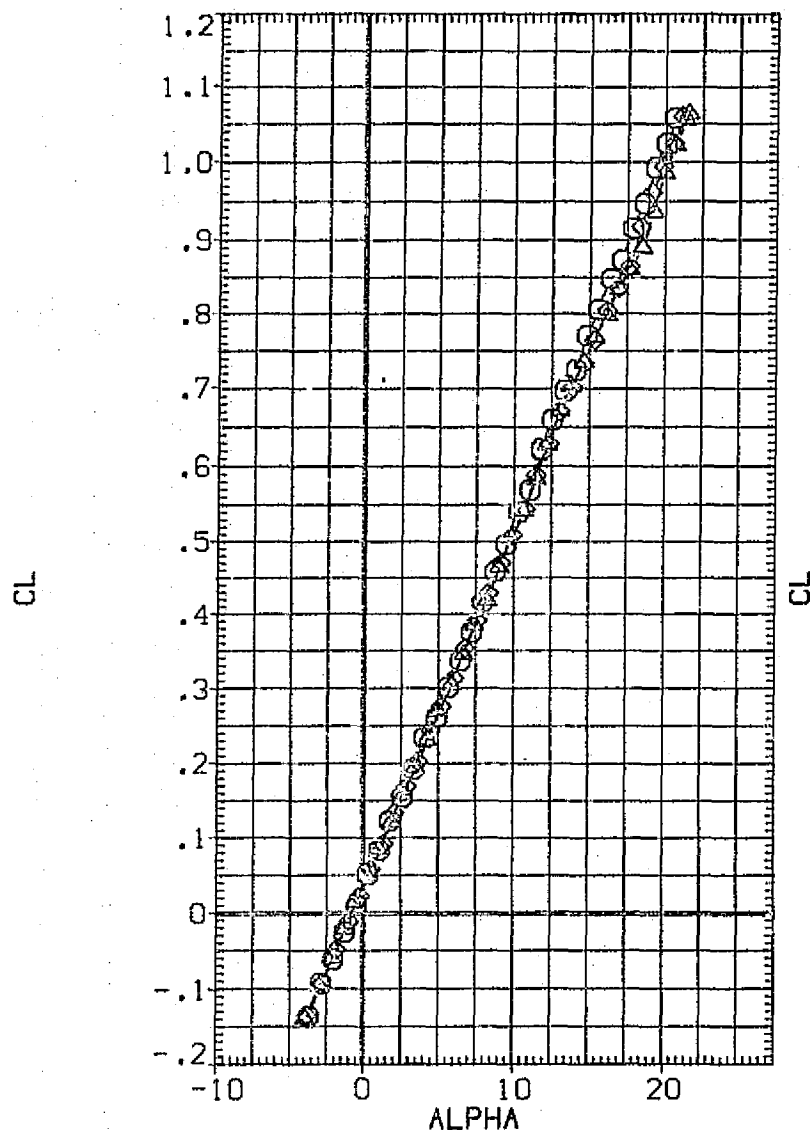


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)

(A) MACH = .60

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	LA67 (LTV 552) ORBITER 49-0
(AFD027)	DATA NOT AVAILABLE
(AFD028)	LA67 (LTV 552) ORBITER 49-0
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
5.000	5.000	2.000	.000	SREF	2690.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF	474.8000 INCHES
7.500	5.000	2.000	.000	BREF	936.7000 INCHES
10.000	5.000	2.000	.000	XMRP	1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

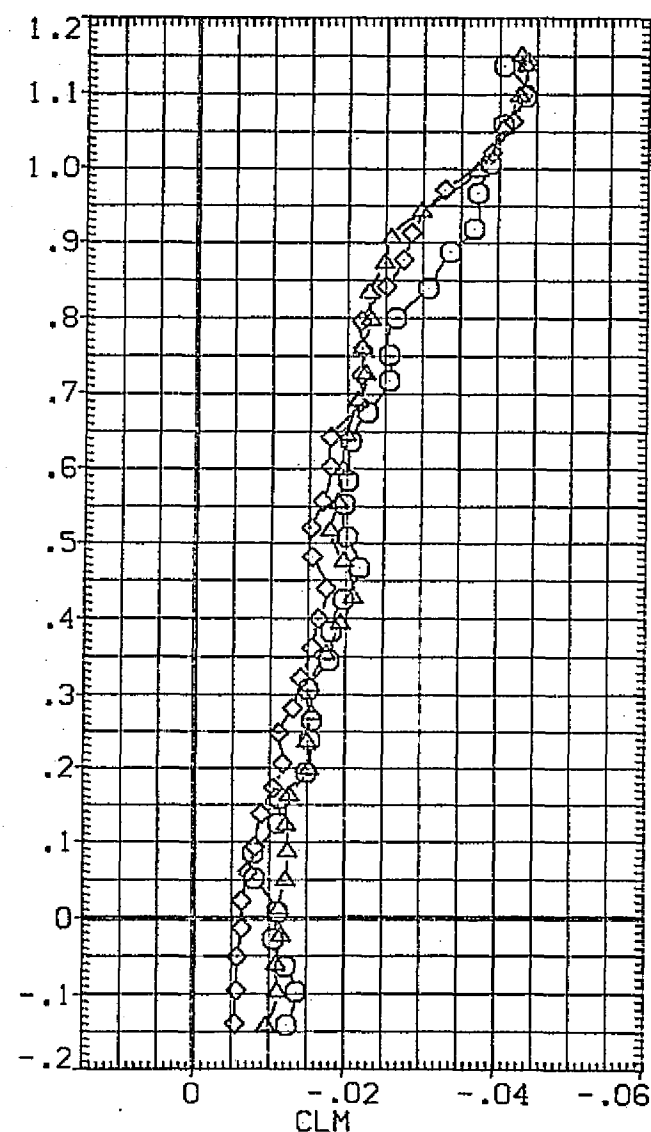
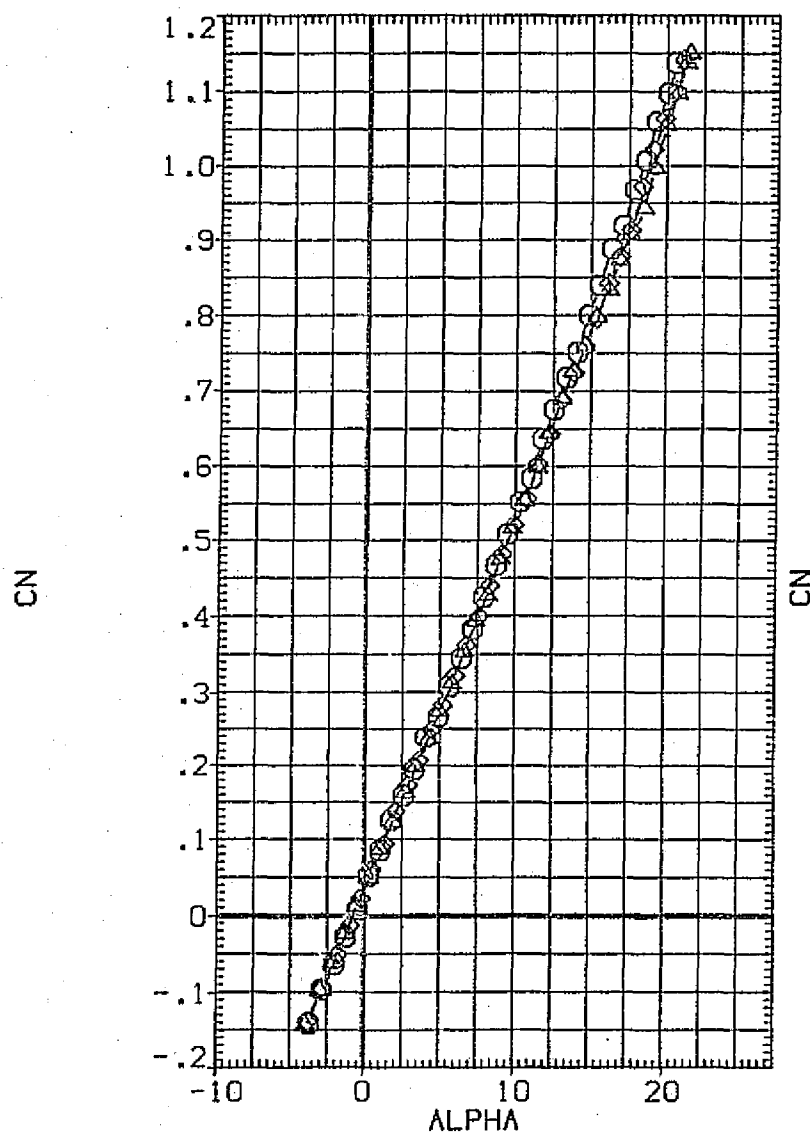


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	LA67 (LTV 552) ORBITER 49-0
(AFD027)	DATA NOT AVAILABLE
(AFD028)	LA67 (LTV 552) ORBITER 49-0
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

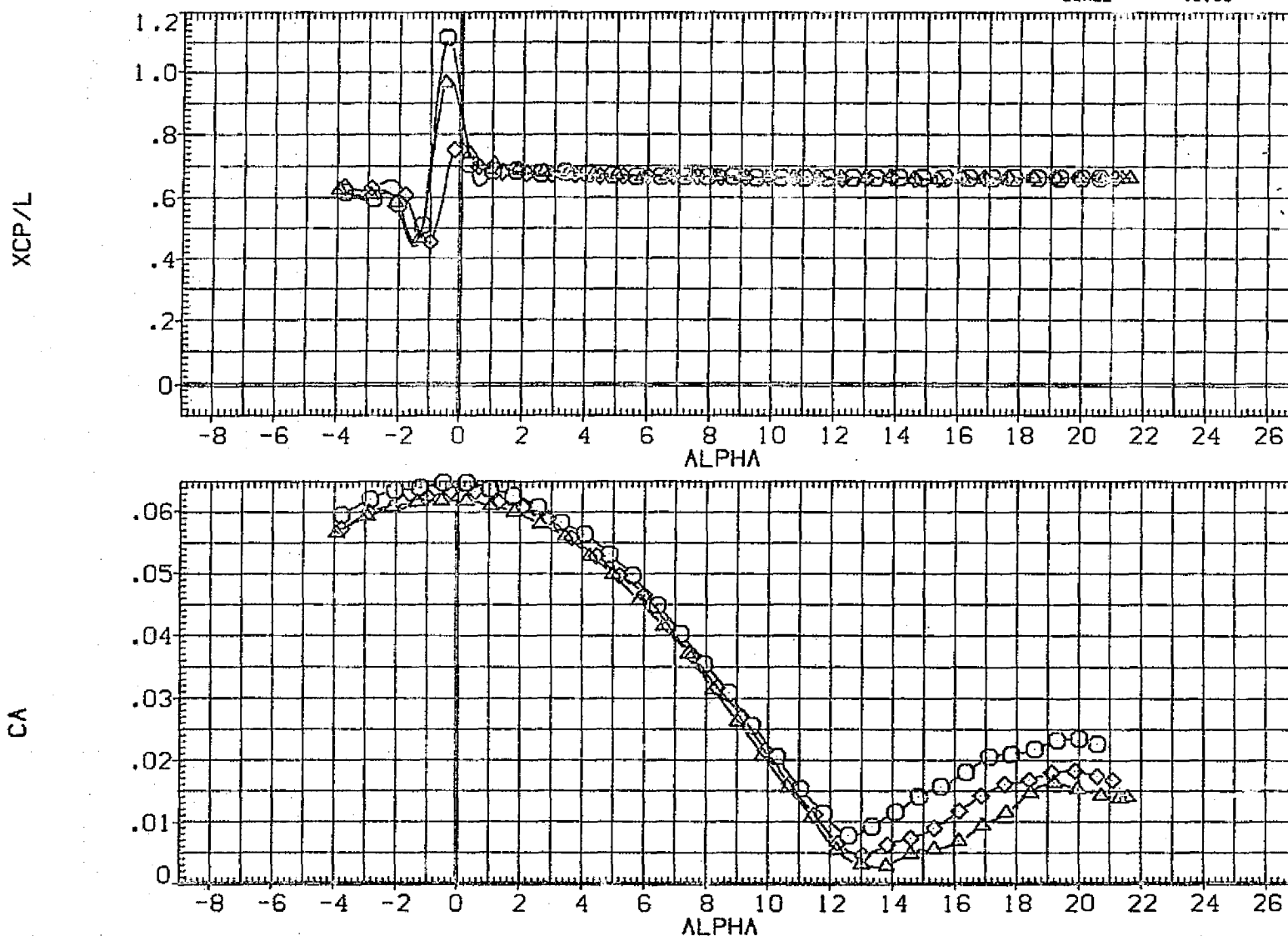


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0,ELEVON=5,AILRON=2)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	LA67 (LTV 552) ORBITER 49-0
(AFD027)	DATA NOT AVAILABLE
(AFD028)	LA67 (LTV 552) ORBITER 49-0
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

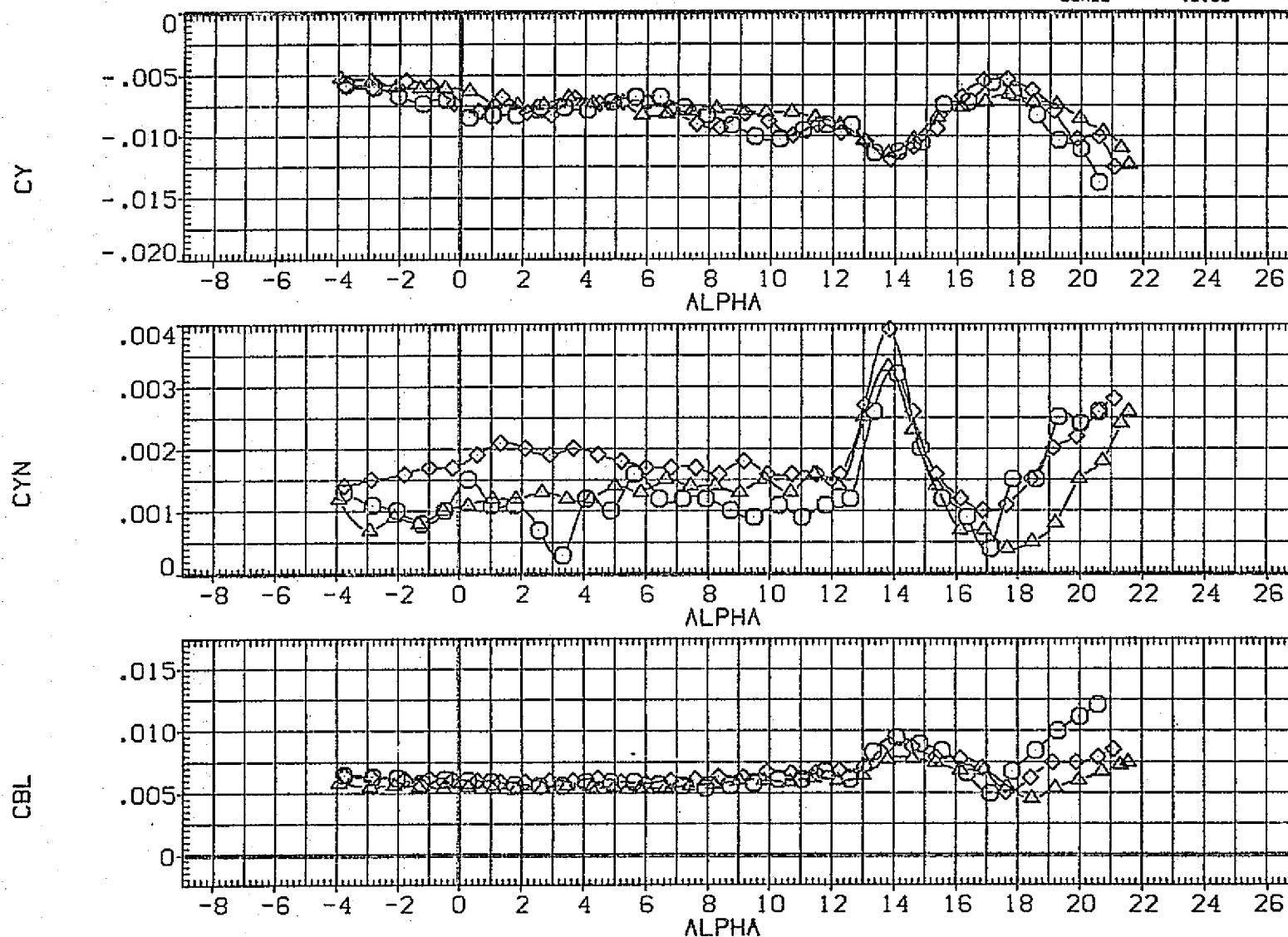


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	LA67 (LTV 552) ORBITER 49-0
(AFD027)	DATA NOT AVAILABLE
(AFD028)	LA67 (LTV 552) ORBITER 49-0
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	DATA NOT AVAILABLE

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ. FT.
6.000	5.000	2.000	.000	LOEF 474.8000 INCHES
7.500	5.000	2.000	.000	ORF 936.7000 INCHES
10.000	5.000	2.000	.000	YHRP 1076.7000 IN. X0
12.000	5.000	2.000	.000	YHRP .0000 IN. Y0
				ZHRP 375.0000 IN. Z0
				SCALE .0150

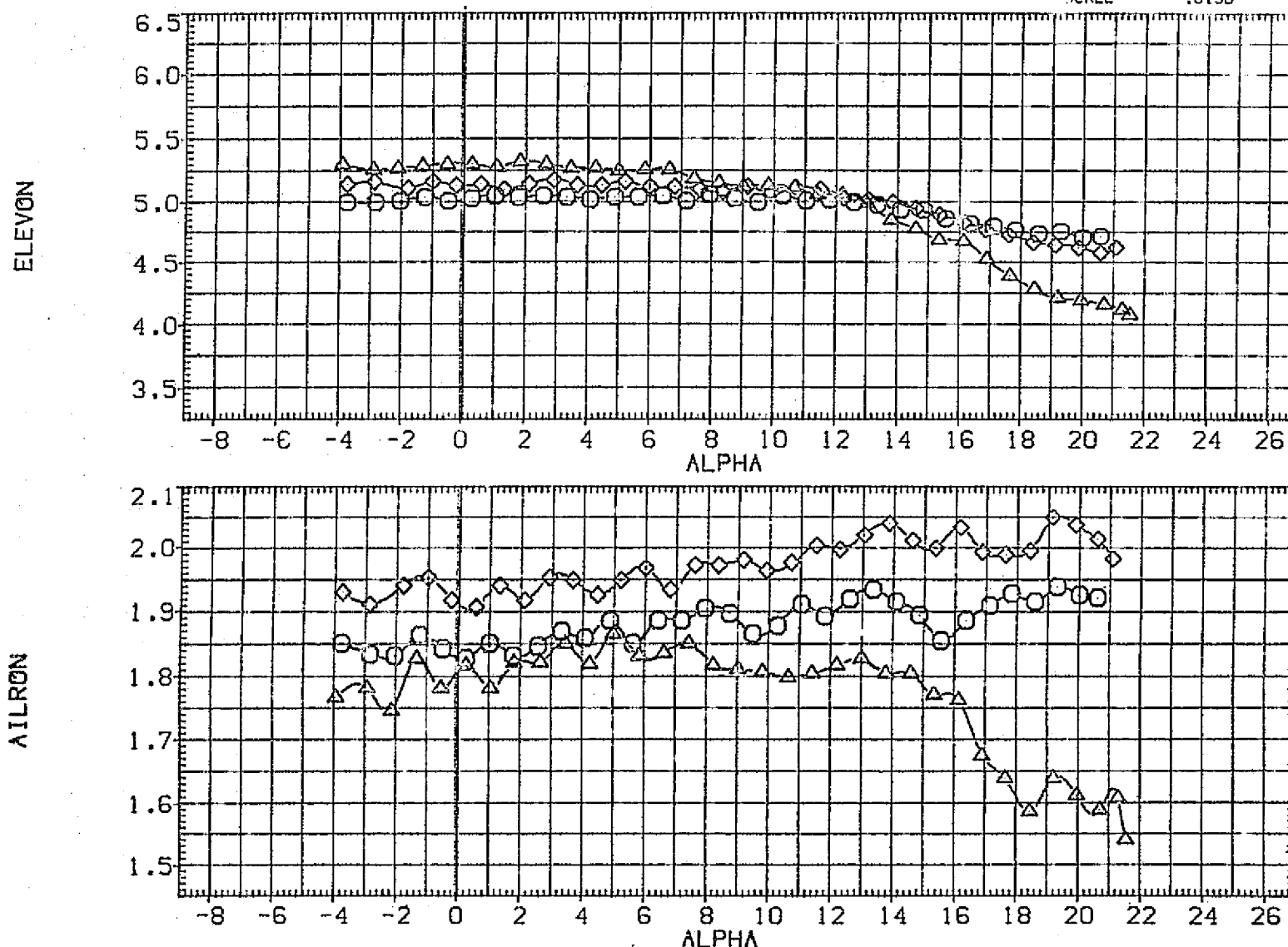


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0, ELEVON=5, AILRON=2)
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
(SF0026)	DATA NOT AVAILABLE	5.000	5.000	2.000	.000	SREF	2690.0000	SQ. FT.
(SF0027)	LAG7 (LTV 552) ORBITER 49-0	6.000	5.000	2.000	.000	LREF	474.8000	INCHES
(SF0028)	DATA NOT AVAILABLE	7.500	5.000	2.000	.000	BREF	936.7000	INCHES
(SF0029)	LAG7 (LTV 552) ORBITER 49-0	10.000	5.000	2.000	.000	XMRP	1076.7000	IN. X0
(SF0030)	LAG7 (LTV 552) ORBITER 49-0	12.000	5.000	2.000	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

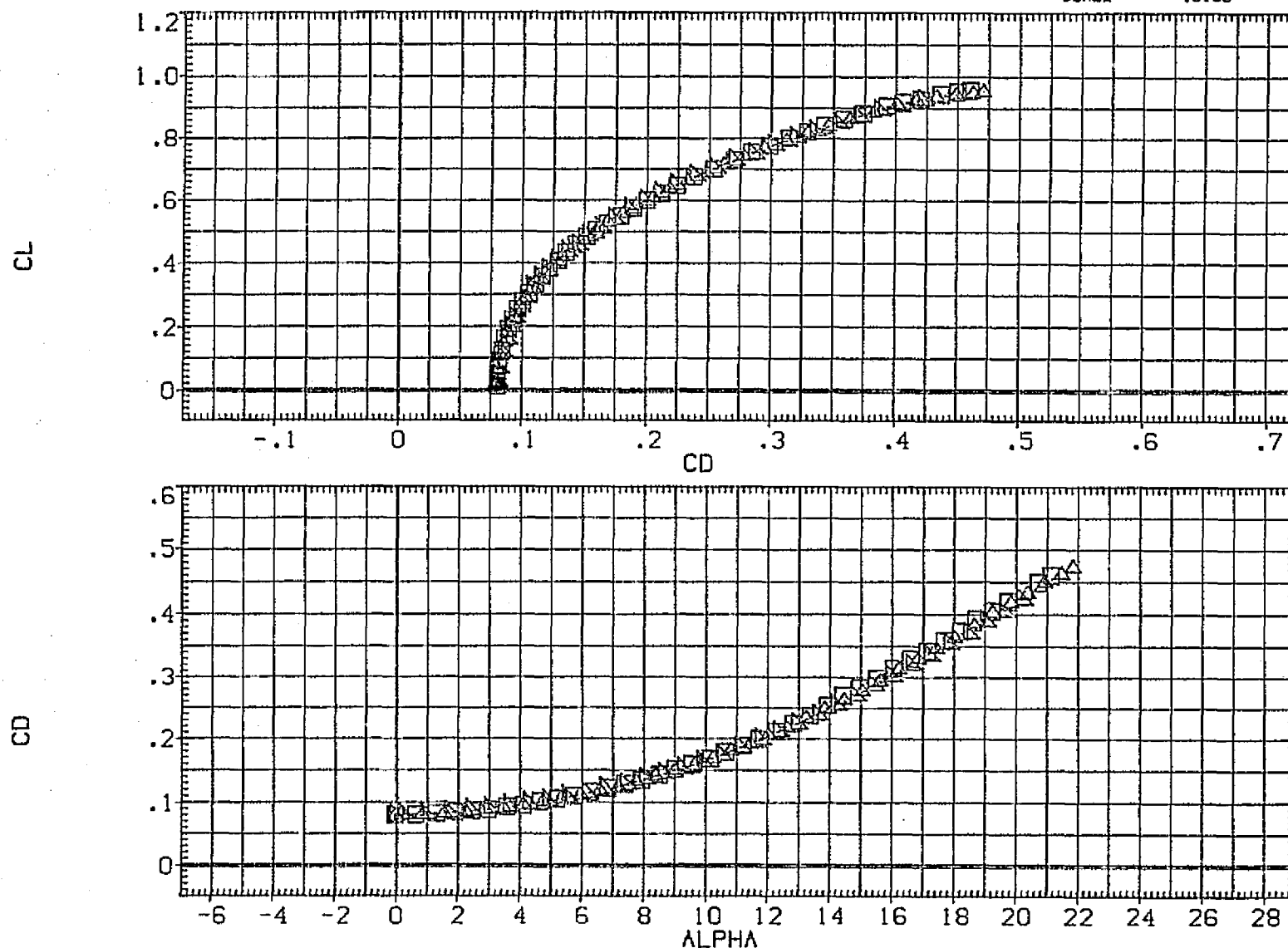


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0, ELEVON=5, AILRON=2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD026)	DATA NOT AVAILABLE
(SFD027)	LA67 (LTV 552) ORBITER 49-0
(SFD028)	DATA NOT AVAILABLE
(SFD029)	LA67 (LTV 552) ORBITER 49-0
(SFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	EL VON	AILRON	BETA	REFERENCE INFORMATION		
5.000	5.000	2.000	.000	SREF	2690.0000	50.FT.
6.000	5.000	2.000	.000	LRPF	474.0000	INCHES
7.500	5.000	2.000	.000	BRPF	936.7000	INCHES
10.000	5.000	2.000	.000	XMRP	1076.7000	IN. YO
12.000	5.000	2.000	.000	YMRP	1076.7000	IN. YO
				ZMRP	375.0000	IN. ZO
				SCALE	.0150	

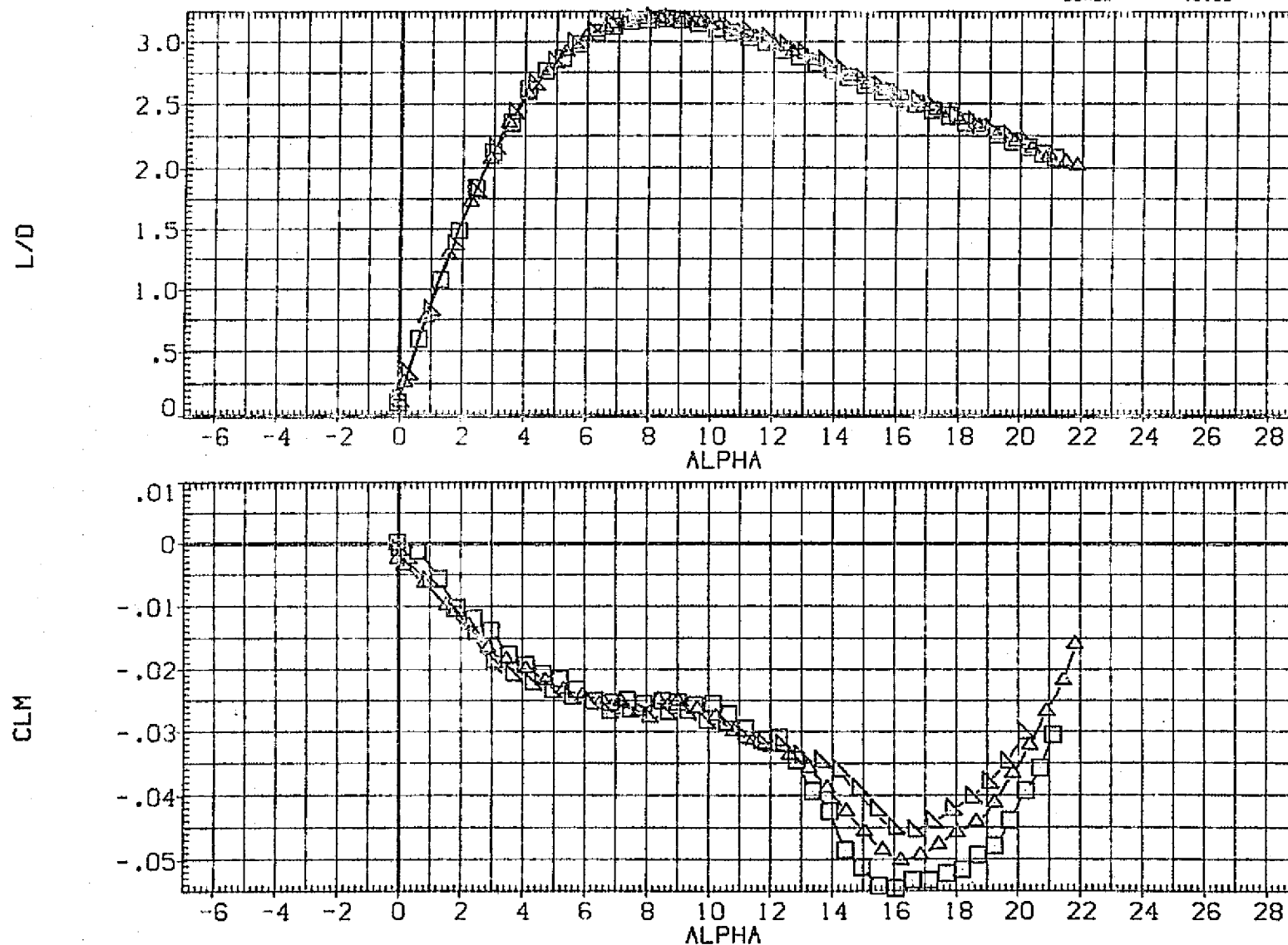


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD026)	DATA NOT AVAILABLE
(SFD027)	LA67 (LTV 552) ORBITER 49-0
(SFD028)	DATA NOT AVAILABLE
(SFD029)	LA67 (LTV 552) ORBITER 49-0
(SFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	5.000	2.000	.000	SREF	2690.0000	50.FT.
6.000	5.000	2.000	.000	LREF	474.8000	INCHES
7.500	5.000	2.000	.000	BREF	936.7000	INCHES
10.000	5.000	2.000	.000	XHRP	1076.7000	IN. X0
12.000	5.000	2.000	.000	YHRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

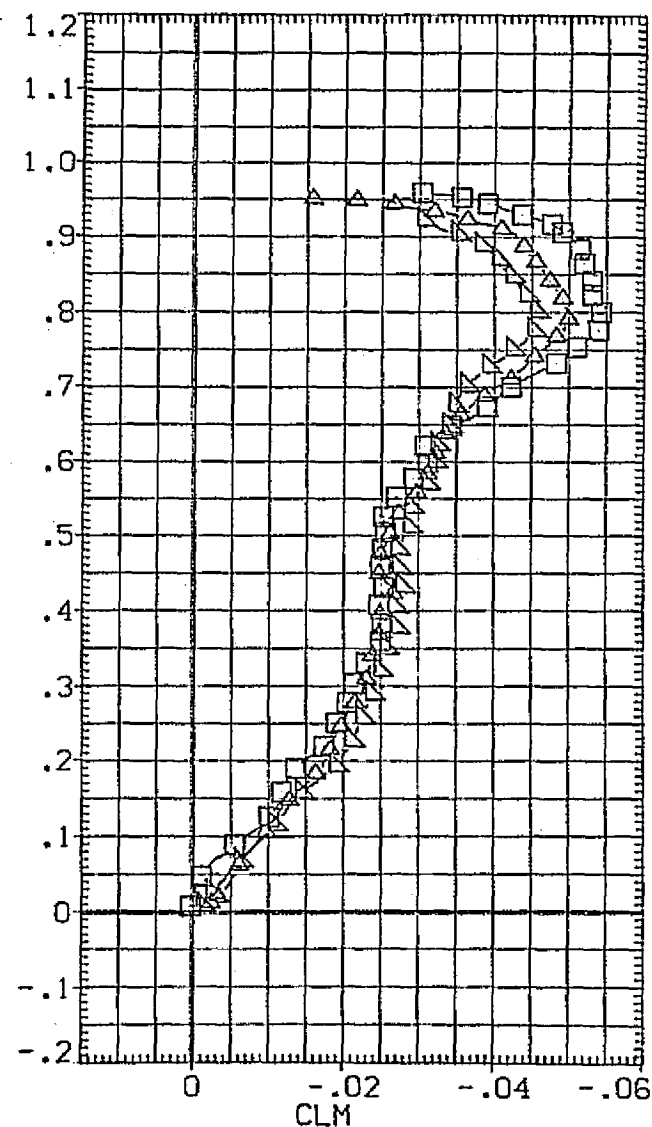
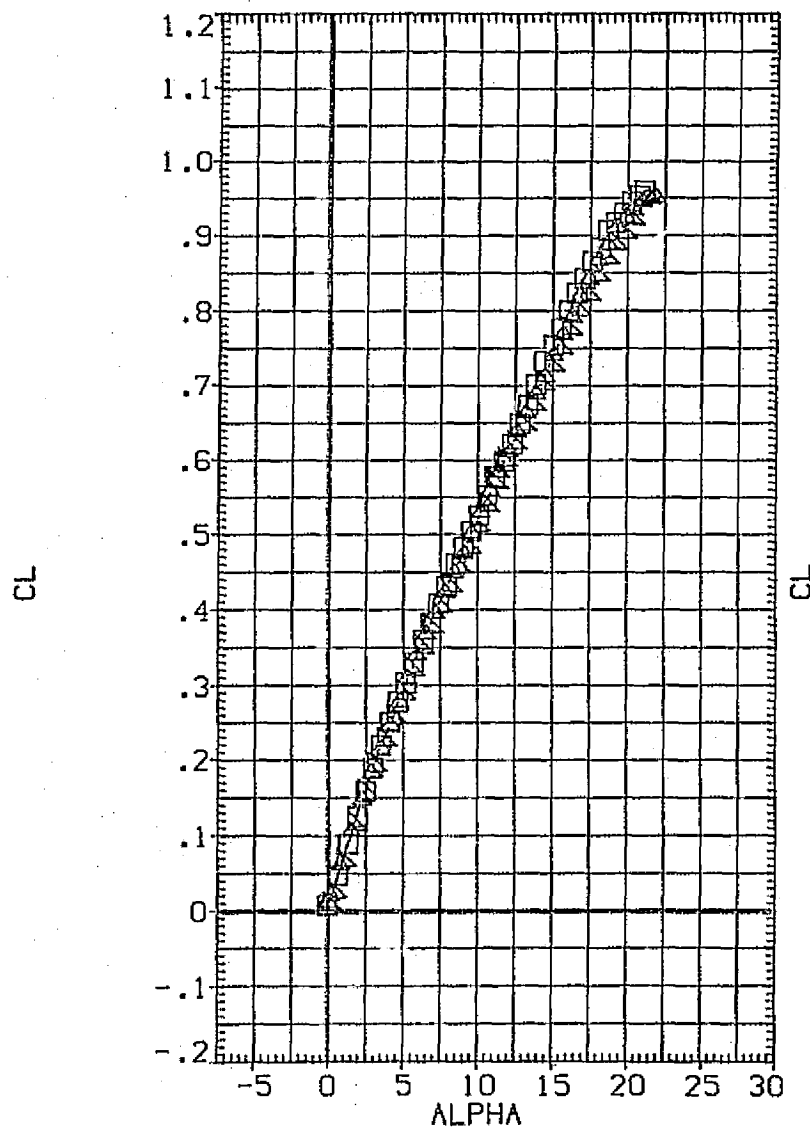


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	DATA NOT AVAILABLE
(AFD027)	LA67 (LTV 552) ORBITER 49-0
(AFD028)	DATA NOT AVAILABLE
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	5.000	2.000	.000	SREF	2690.000	50. FT.
6.000	5.000	2.000	.000	LREF	474.8000	INCHES
7.500	5.000	2.000	.000	BREF	936.7000	INCHES
10.000	5.000	2.000	.000	XMRP	1076.7000	IN. X0
12.000	5.000	2.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

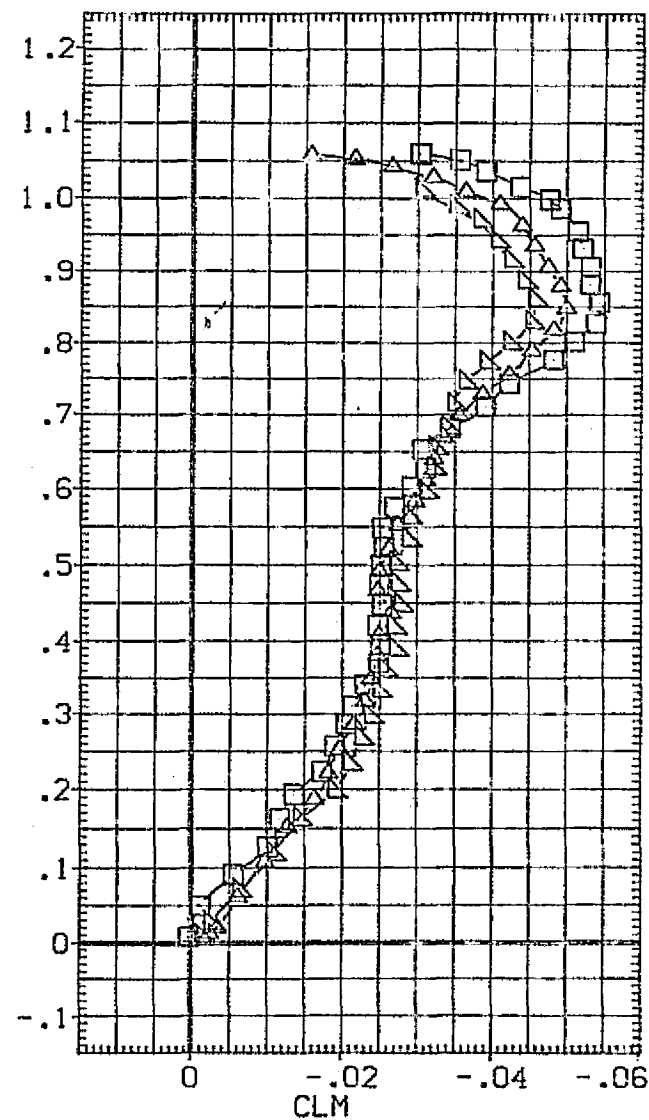
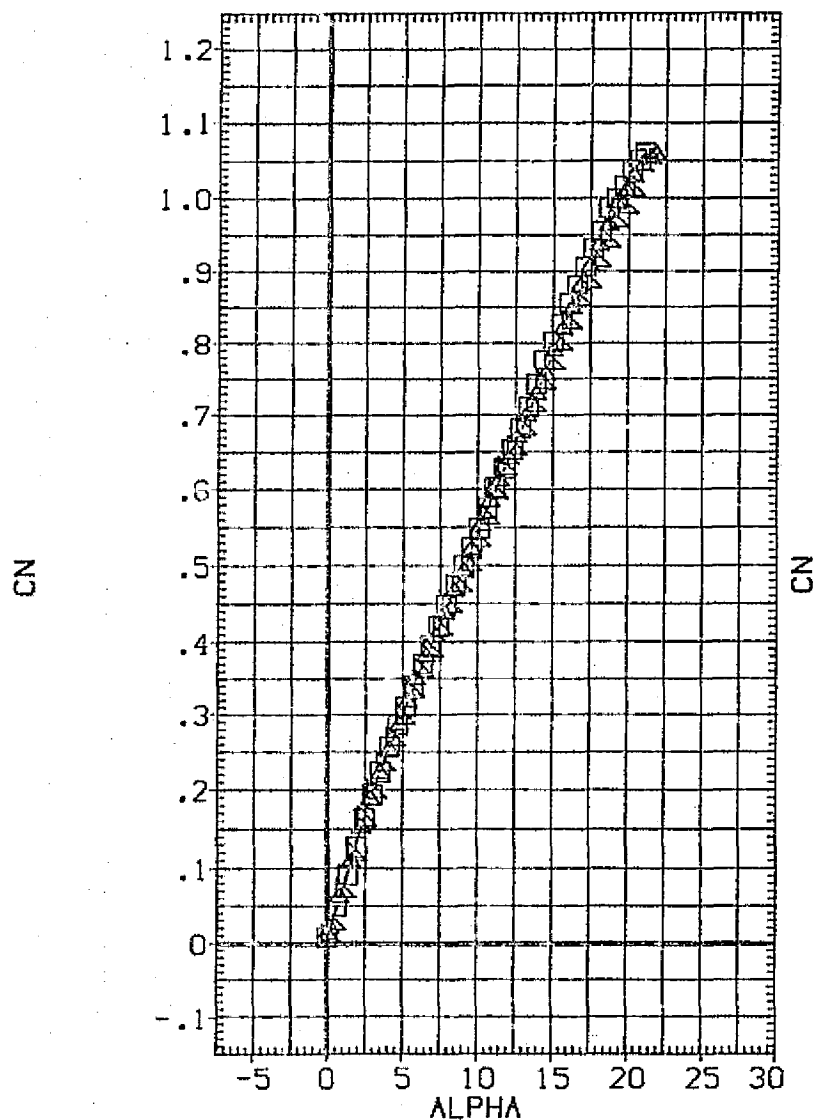


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0, ELEVON=5, AILRON=2)

(A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	DATA NOT AVAILABLE
(AFD027)	LA67 (LTV 552) ORBITER 49-0
(AFD028)	DATA NOT AVAILABLE
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ. FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

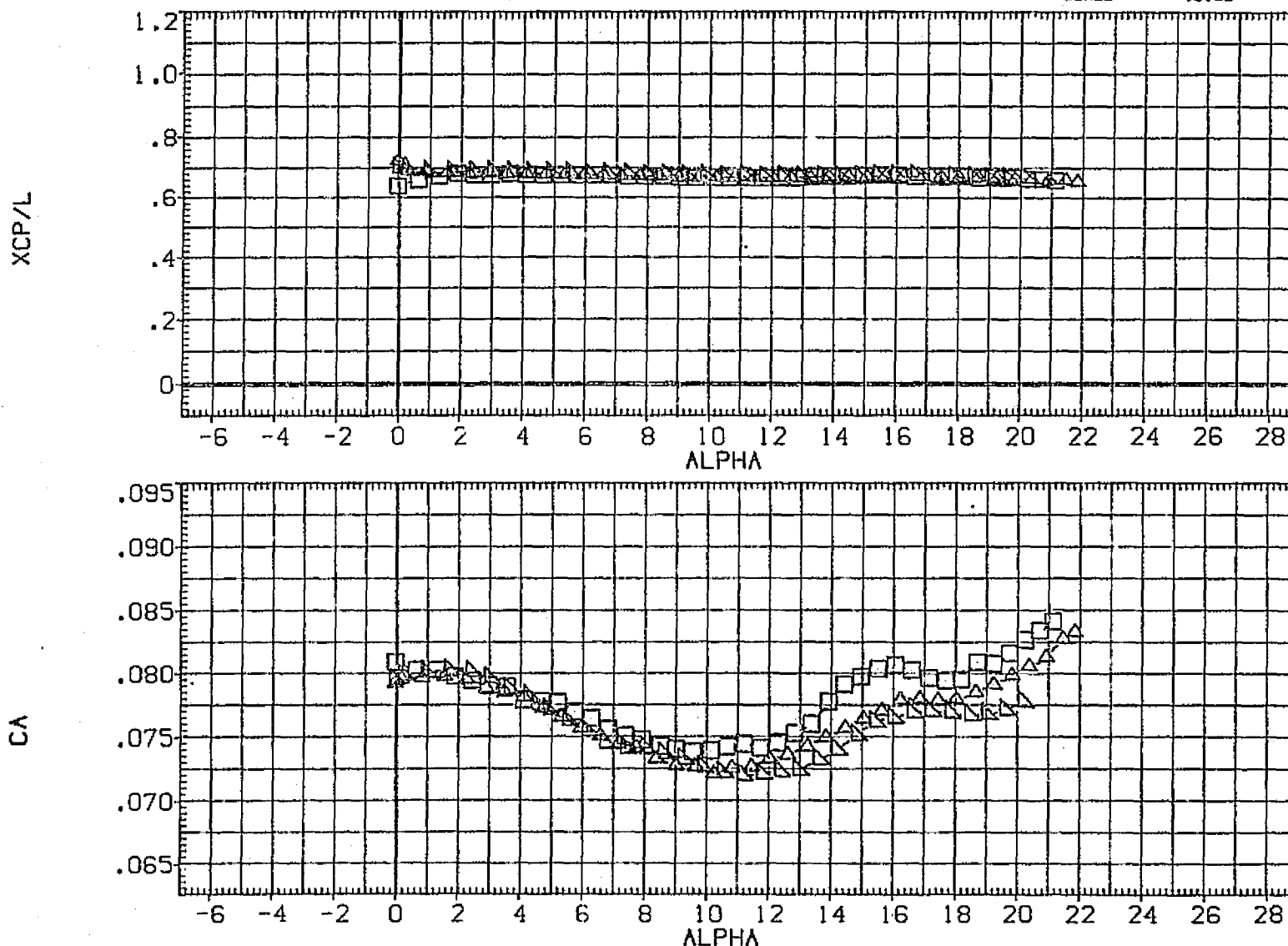


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0, ELEVON=5, AILRON=2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0026)	DATA NOT AVAILABLE
(AF0027)	LA67 (LTV 552) ORBITER 49-0
(AF0028)	DATA NOT AVAILABLE
(AF0029)	LA67 (LTV 552) ORBITER 49-0
(AF0030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ. FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP .0000 IN. Y0
				ZMRP 175.0000 IN. Z0
				SCALE .0150

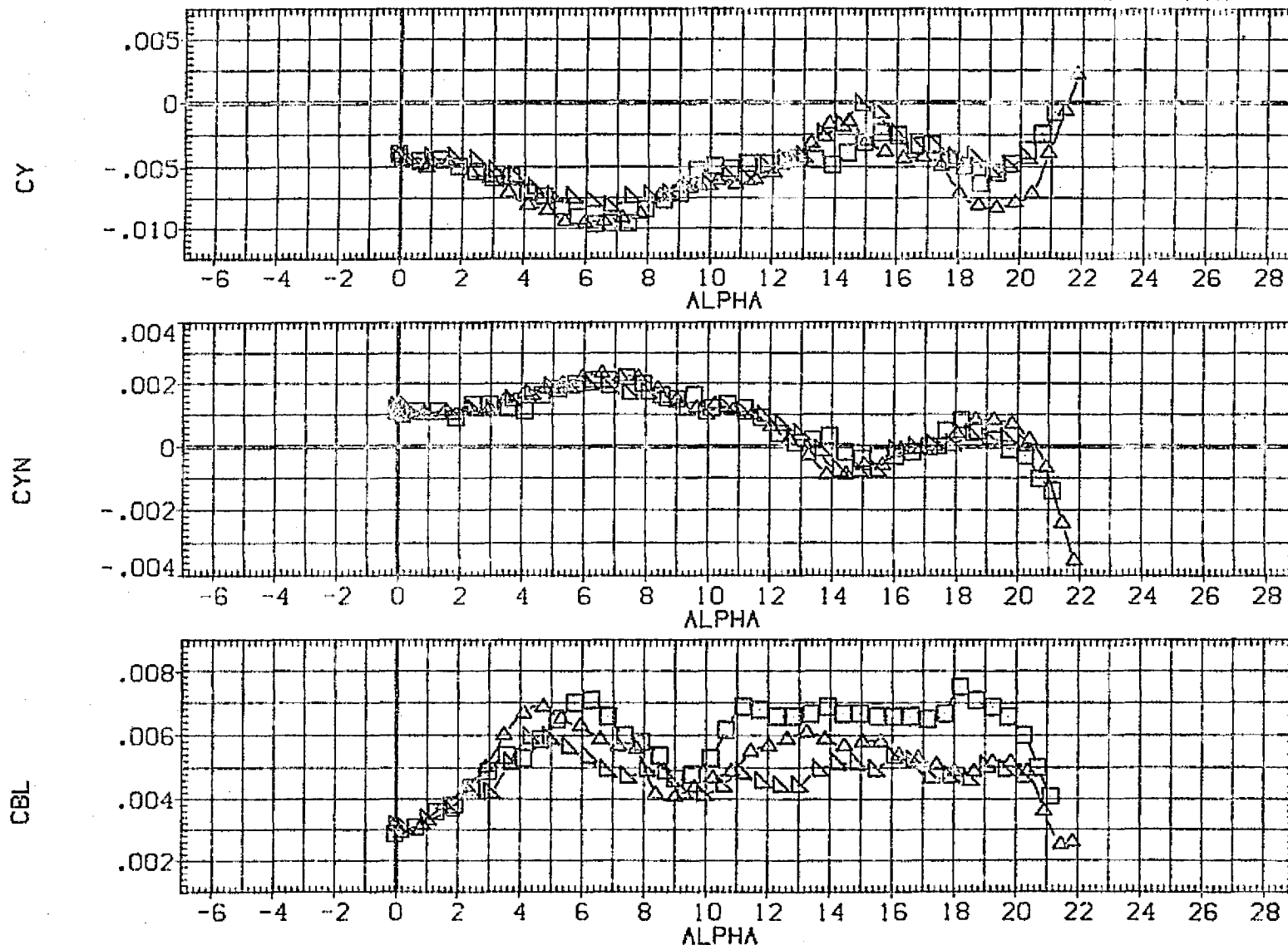


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0, ELEVON=5, AILRON=2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
(AFD026)	DATA NOT AVAILABLE	5.000	5.000	2.000	.000	SREF	2690.0000 SQ.FT.
(AFD027)	LA67 (LTV 552) ORBITER 49-0	6.000	5.000	2.000	.000	LREF	474.8000 INCHES
(AFD028)	DATA NOT AVAILABLE	7.500	5.000	2.000	.000	BREF	936.7000 INCHES
(AFD029)	LA67 (LTV 552) ORBITER 49-0	10.000	5.000	2.000	.000	XMRP	1076.7000 IN. X0
(AFD030)	LA67 (LTV 552) ORBITER 49-0	12.000	5.000	2.000	.000	YMRP	.0000 IN. Y0
						ZMRP	375.0000 IN. Z0
						SCALE	.0150

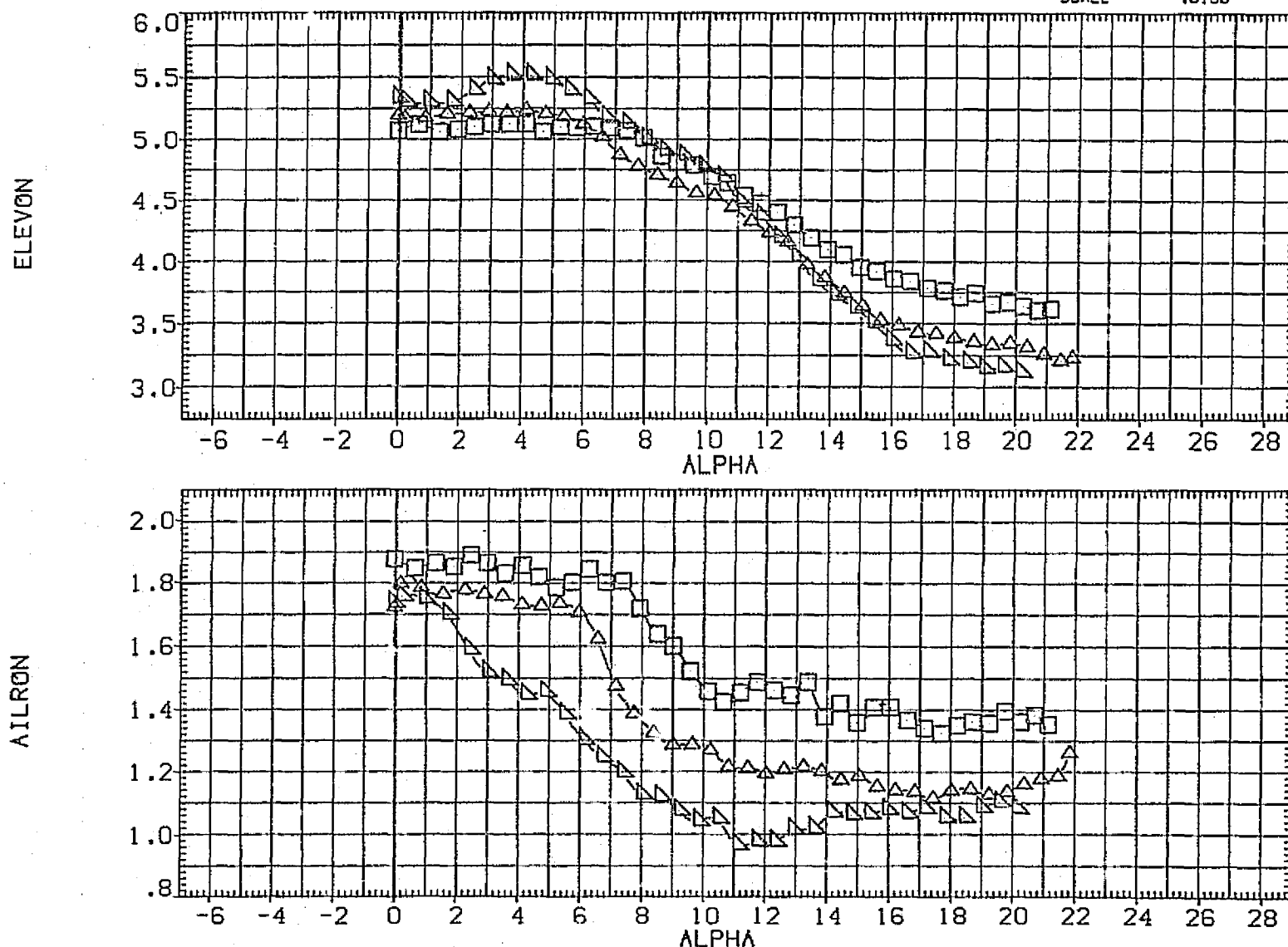


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD026)	DATA NOT AVAILABLE
(SFD027)	LA67 (LTV 552) ORBITER 49-0
(SFD028)	DATA NOT AVAILABLE
(SFD029)	LA67 (LTV 552) ORBITER 49-0
(SFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILERON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	SREF 933.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. XO
12.000	5.000	2.000	.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

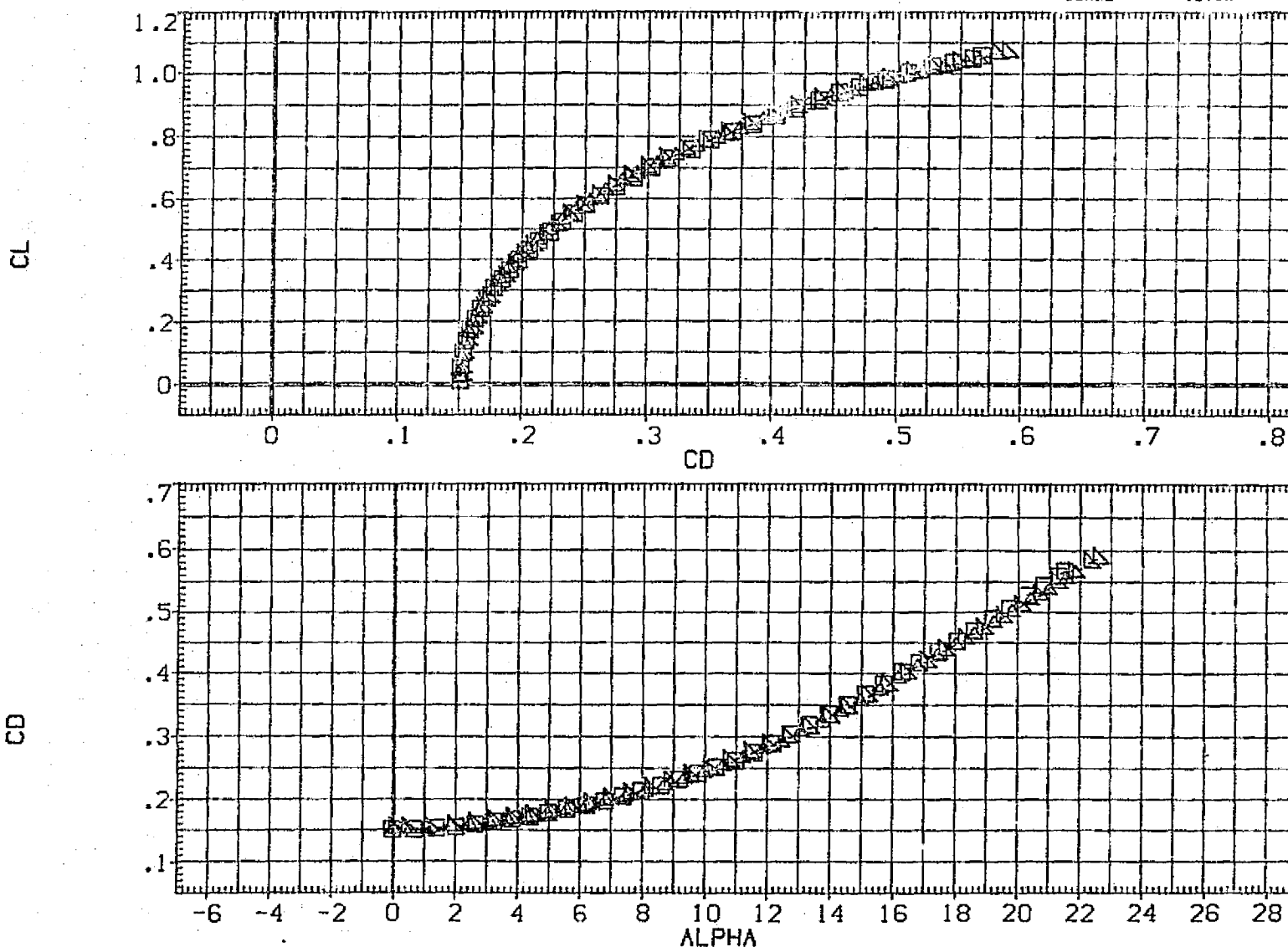


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0, ELEVON=5, AILERON=2)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD026)	DATA NOT AVAILABLE
(SFD027)	LA67 (LTV 552) ORBITER 49-0
(SFD028)	DATA NOT AVAILABLE
(SFD029)	LA67 (LTV 552) ORBITER 49-0
(SFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRF 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRF .0000 IN. Y0
				ZMRF 375.0000 IN. Z0
				SCALE .0150

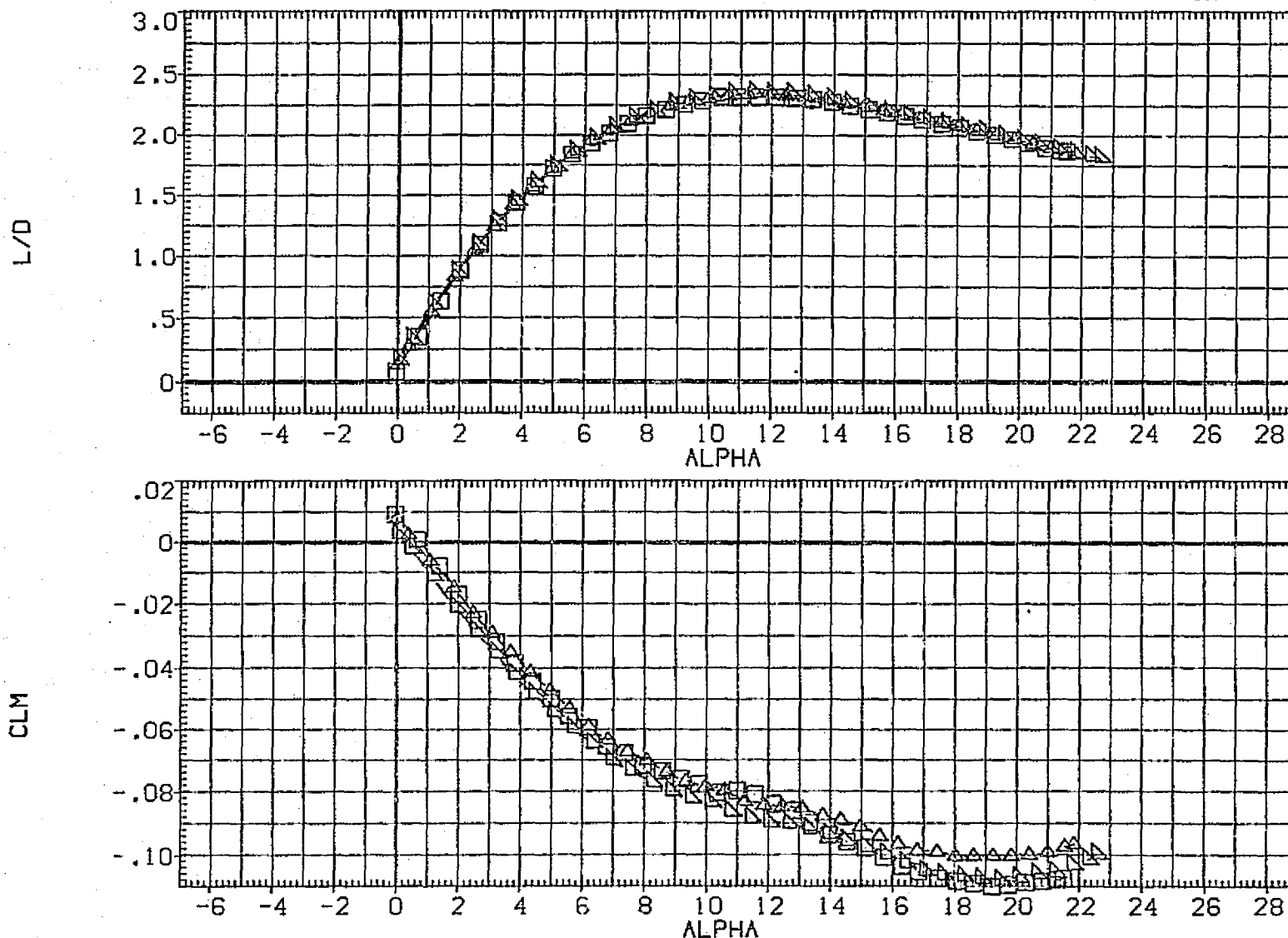


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0,ELEVON=5,AILRON=2)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD026)	DATA NOT AVAILABLE
(SFD027)	LA67 (LTV 552) ORBITER 49-0
(SFD028)	DATA NOT AVAILABLE
(SFD029)	LA67 (LTV 552) ORBITER 49-0
(SFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILERON	BETA	REFERENCE INFORMATION		
5.000	5.000	2.000	.000	SREF	2690.0000	SQ. FT.
6.000	5.000	2.000	.000	LREF	474.8000	INCHES
7.500	5.000	2.000	.000	REF	936.7000	INCHES
10.000	5.000	2.000	.000	AMRF	1076.7000	IN. X0
12.000	5.000	2.000	.000	YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

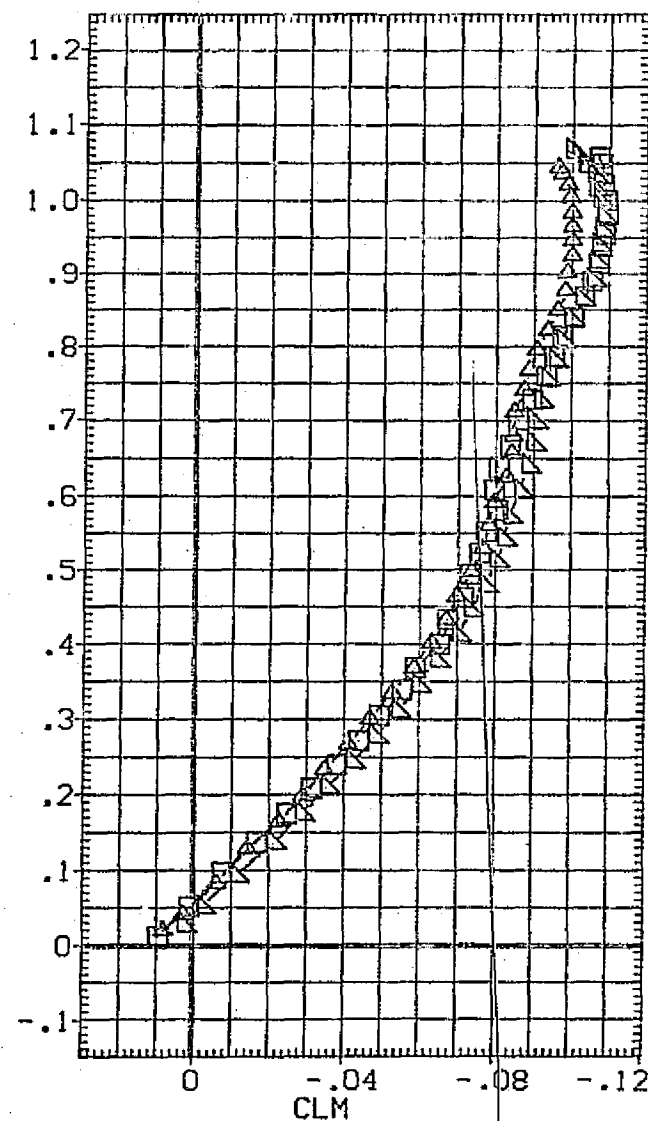
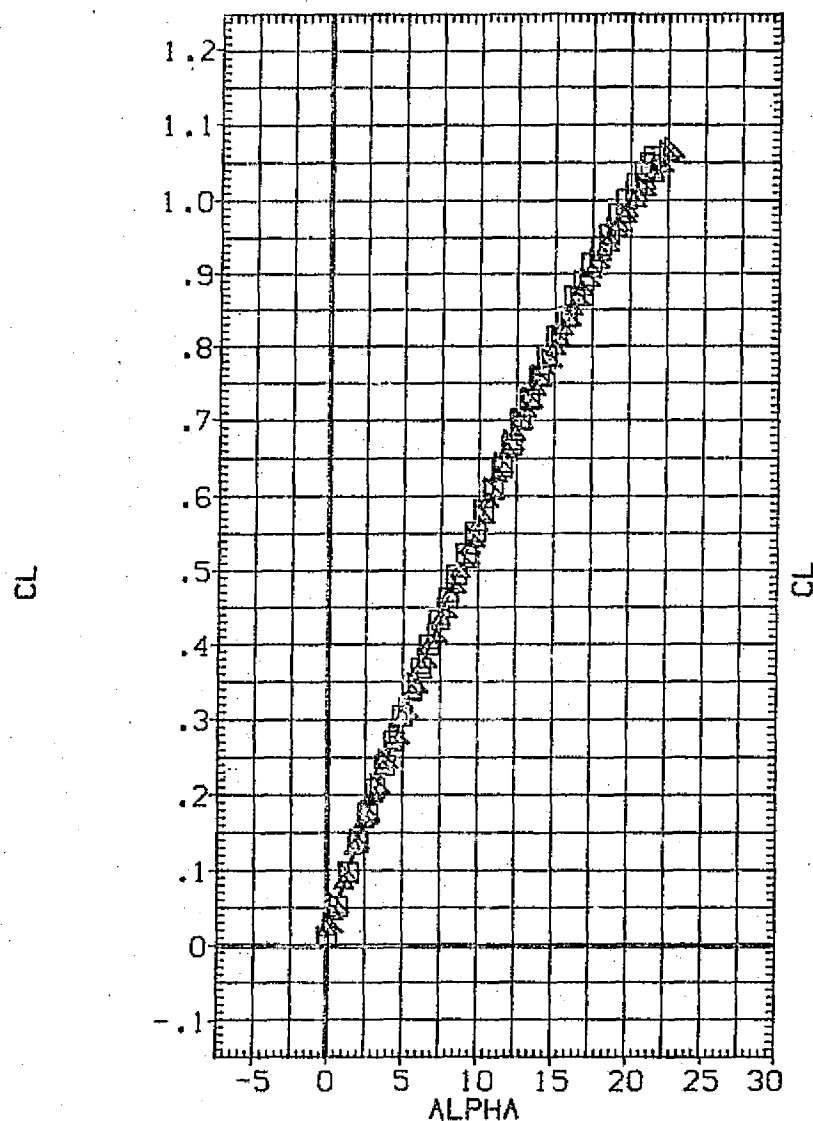


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0, ELEVON=5, AILERON=2)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	DATA NOT AVAILABLE
(AFD027)	LA67 (LTV 552) ORBITER 49-0
(AFD028)	DATA NOT AVAILABLE
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
5.000	5.000	2.000	.000	SREF	2690.0000	SQ.FT.
6.000	5.000	2.000	.000	LREF	474.8000	INCHES
7.500	5.000	2.000	.000	BREF	936.7000	INCHES
10.000	5.000	2.000	.000	XMRP	1076.7000	IN. XO
12.000	5.000	2.000	.000	YMRP	.0000	IN. YO
				ZHRP	375.0000	IN. ZO
				SCALE	.0150	

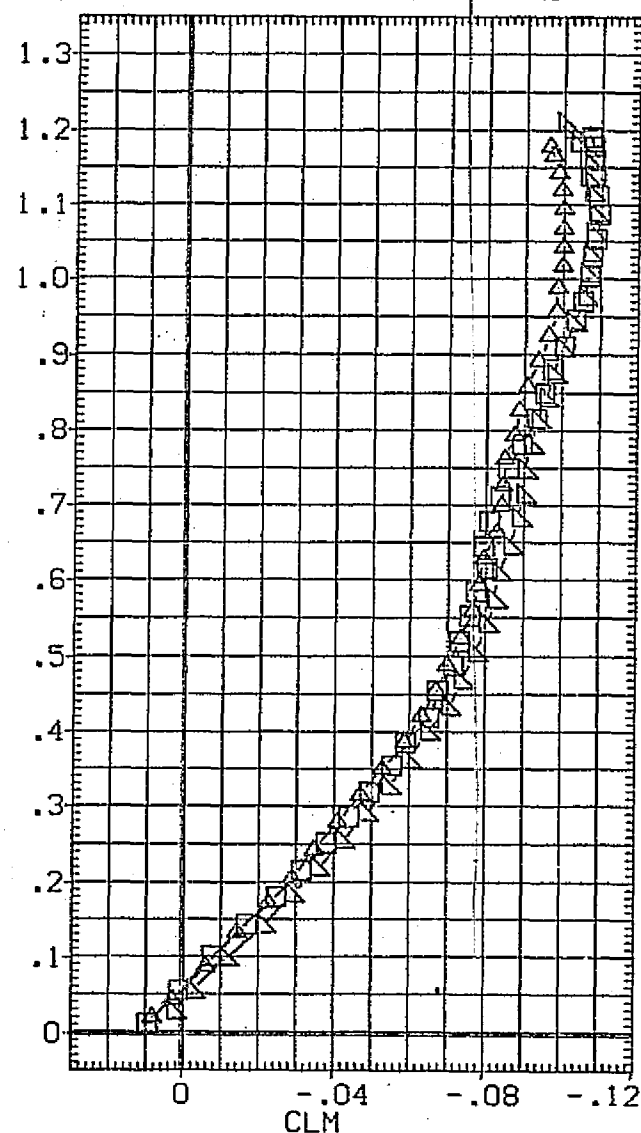
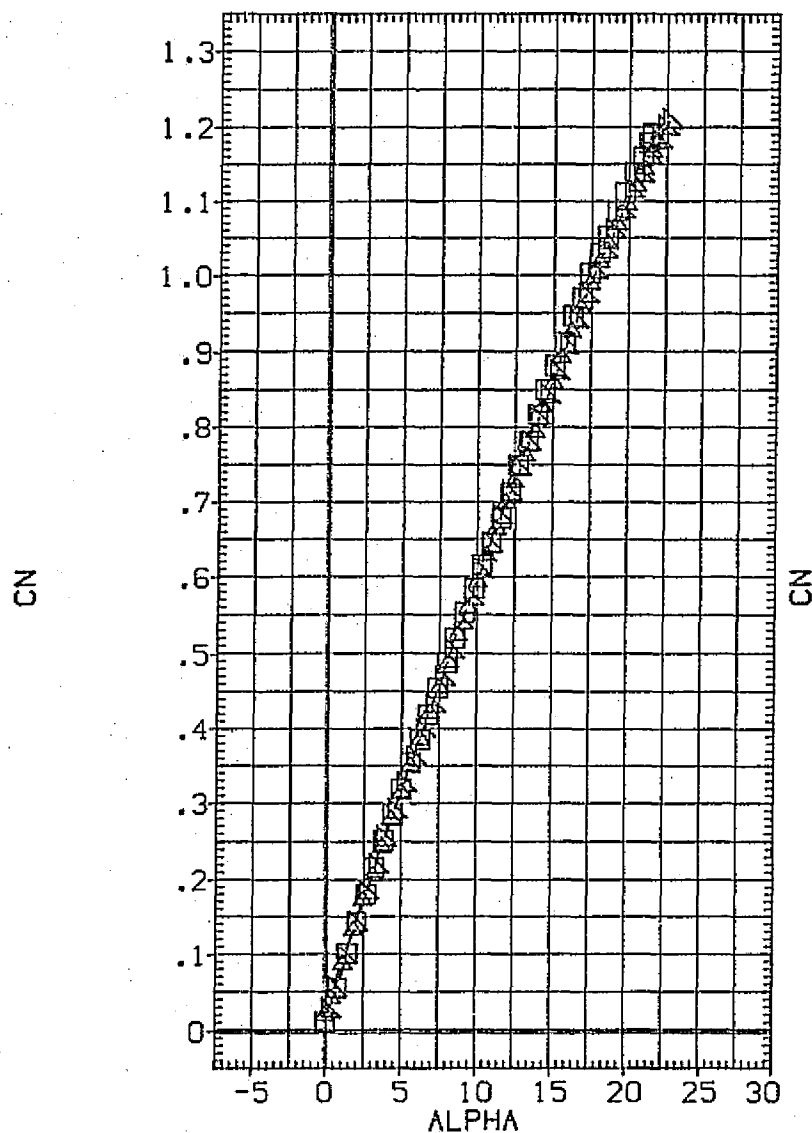


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0, ELEVON=5, AILRON=2)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	DATA NOT AVAILABLE
(AFD027)	LA67 (LTV 552) ORBITER 49-0
(AFD028)	DATA NOT AVAILABLE
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ. FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

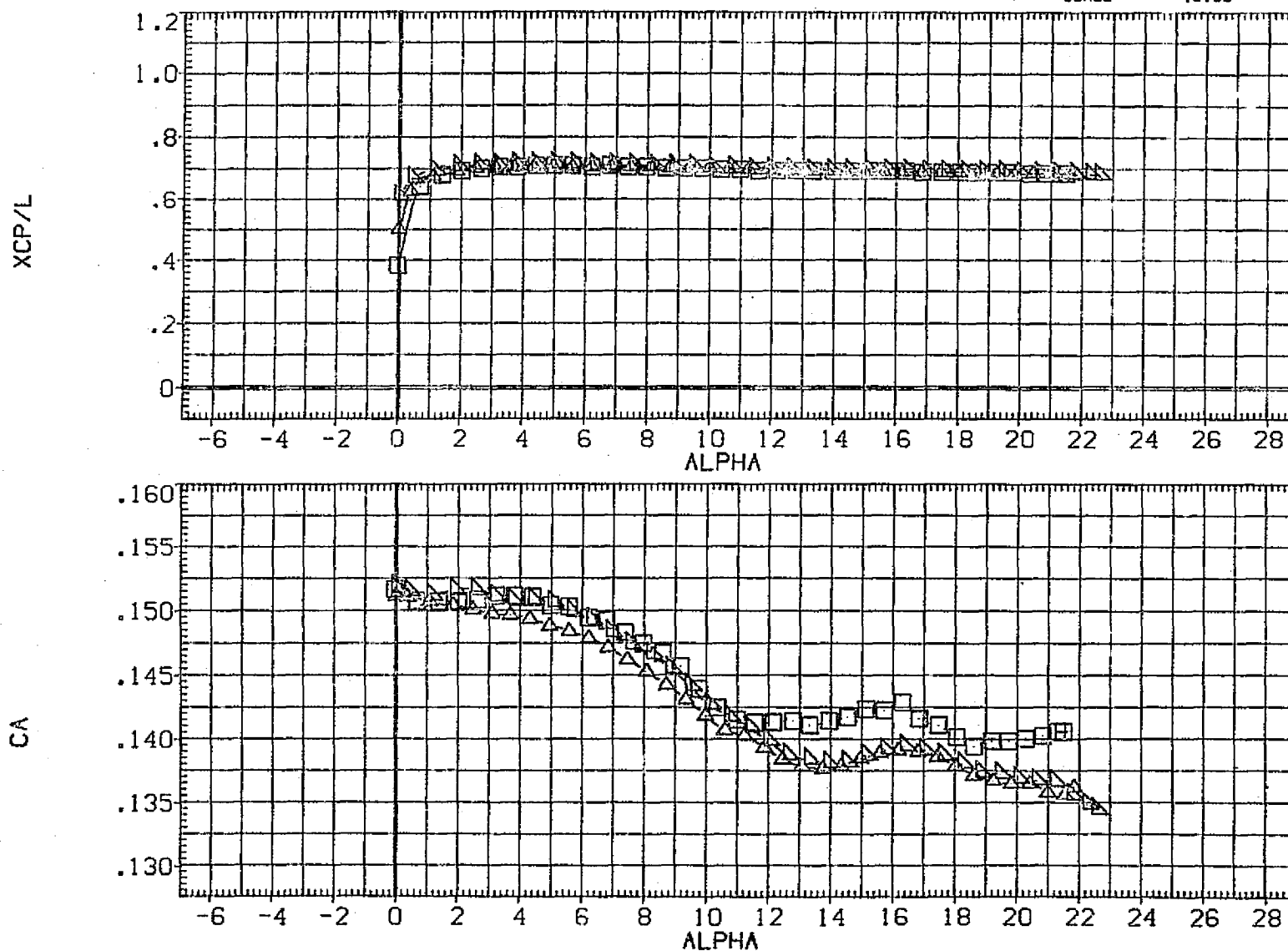


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA=0, ELEVON=5, AILRON=2)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	DATA NOT AVAILABLE
(AFD027)	LA67 (LTV 552) ORBITER 49-0
(AFD028)	DATA NOT AVAILABLE
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ. FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. YO
12.000	5.000	2.000	.000	YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

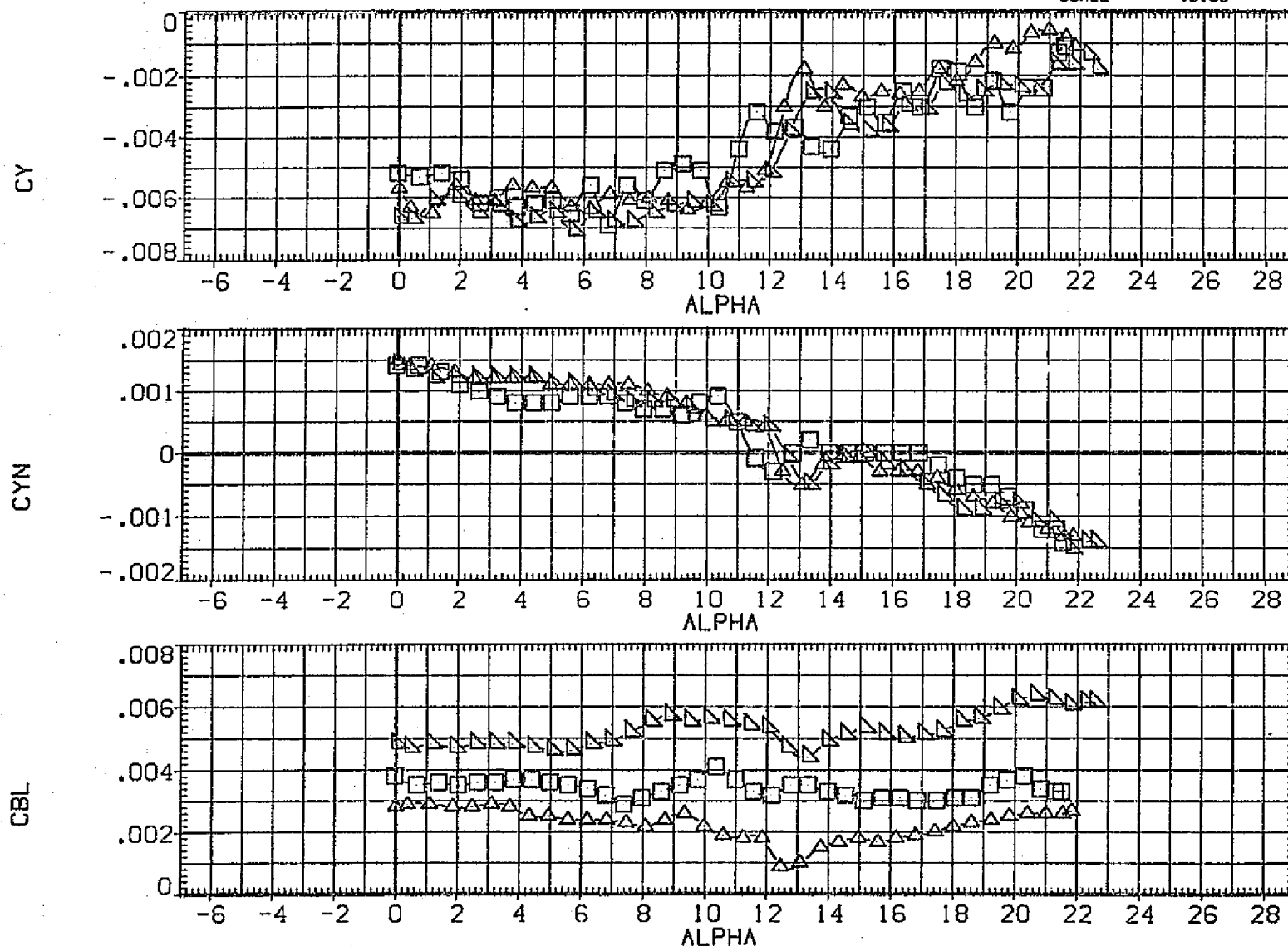


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0,ELEVON=5,AILRON=2)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD026)	DATA NOT AVAILABLE
(AFD027)	LA67 (LTV 552) ORBITER 49-0
(AFD028)	DATA NOT AVAILABLE
(AFD029)	LA67 (LTV 552) ORBITER 49-0
(AFD030)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
5.000	5.000	2.000	.000	SREF 2690.0000 SQ.FT.
6.000	5.000	2.000	.000	LREF 474.8000 INCHES
7.500	5.000	2.000	.000	BREF 936.7000 INCHES
10.000	5.000	2.000	.000	XMRP 1076.7000 IN. X0
12.000	5.000	2.000	.000	YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

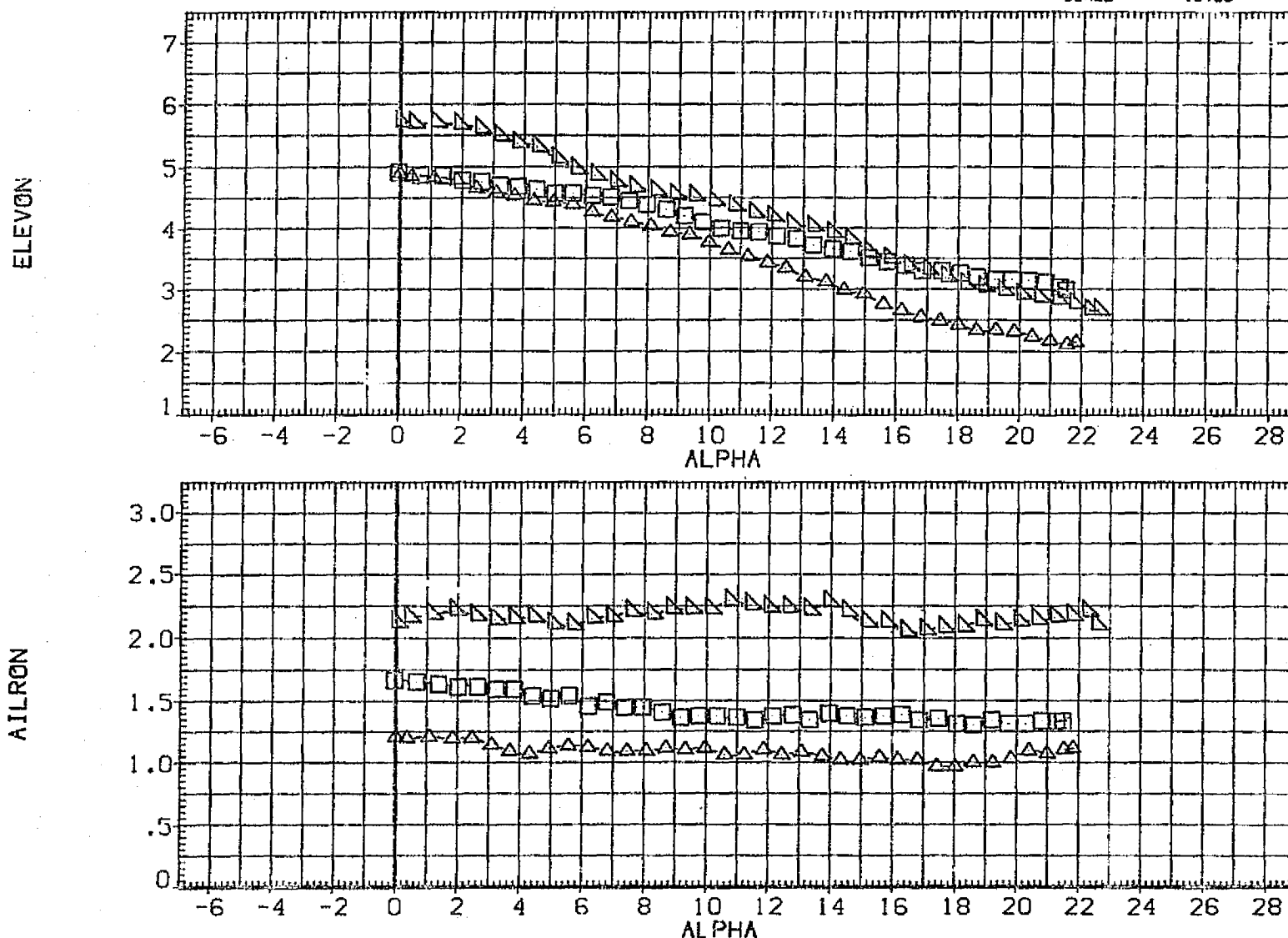


FIG. 7 EFFECT OF REYNOLDS NO. ON BASELINE ORBITER (BETA= 0,ELEVON=5,AILRON=2)

(A)MACH = 1.20

LA67 (LIV 552) ORBITER 49-0

(SFD004)

SYMBOL
○
□
◇
△

MACH
.621
.809
.904
1.193

ELEVON
SPDBRK
GRITNO
BETA
BDFLAP

PARAMETRIC VALUES

.000 AILRON .000
25.000 RN/L 10.000
120.000 RCSPQS .000
.000 ALFSWP 1.000
.000 RUDDER .000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XHRP 1076.7000 IN. XO
YMRP .0000 IN. YO
ZMRP 375.0000 IN. ZO
SCALE .0150

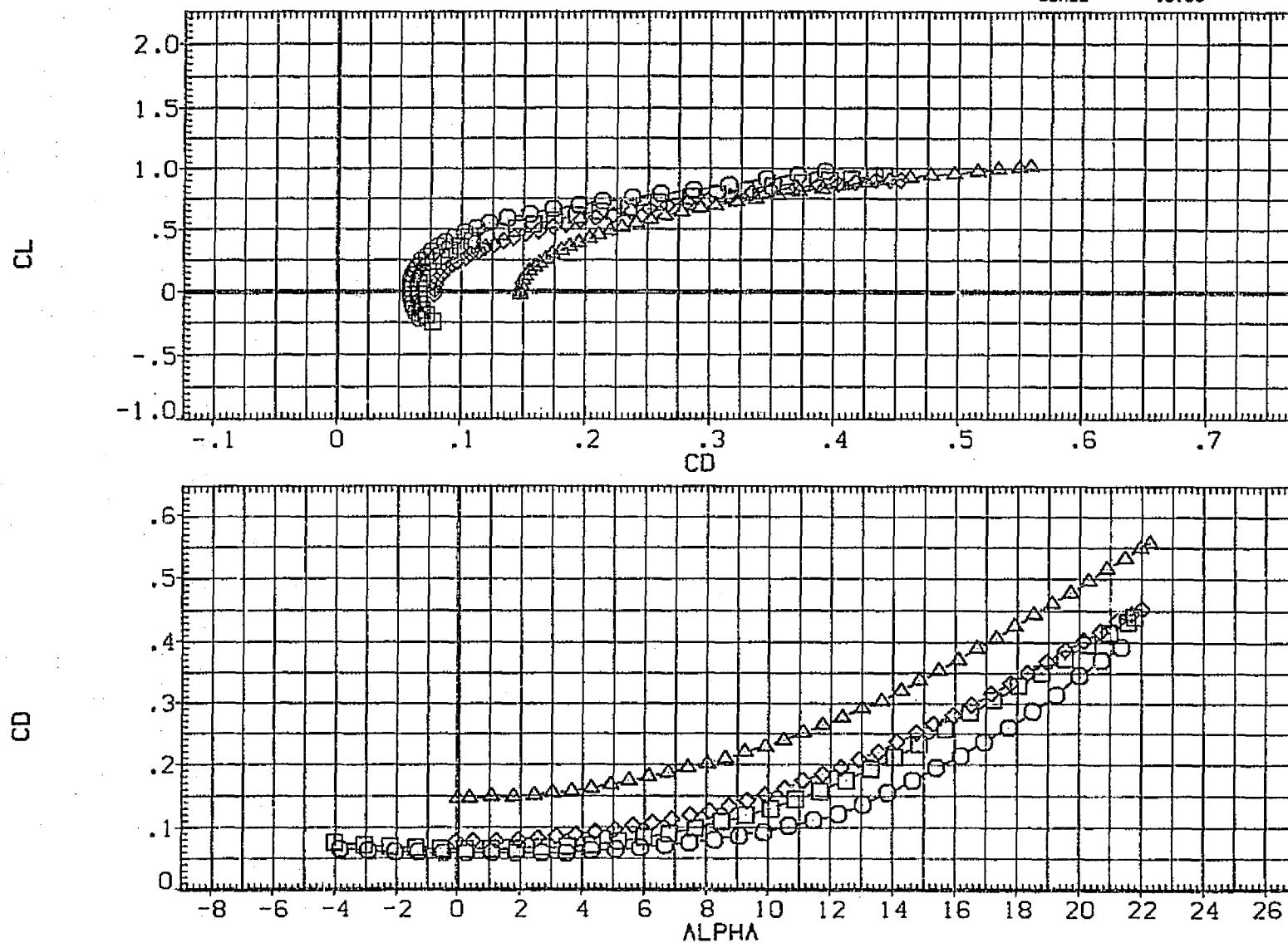


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

SYMBOL

MACH

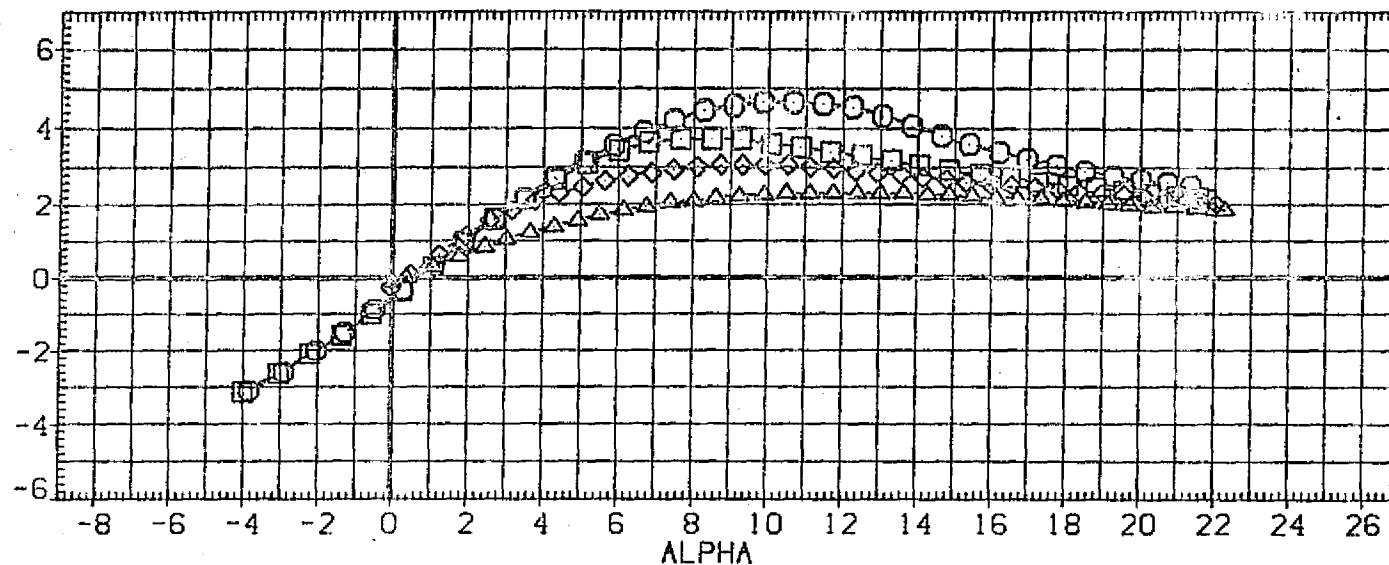
PARAMETRIC VALUES

REFERENCE INFORMATION

○
□
◇
△.621
.809
.904
1.193ELEVON
SPOBRK
GRITND
BETA
BOFLAP.000
25.000
120.000
.000
.000AILRON
RN/L
RCSP05
ALFSWP
RUDDER.000
10.000
.000
1.000
.000

SREF	30.0000	50.FT.
LREF	74.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

L/D



CLM

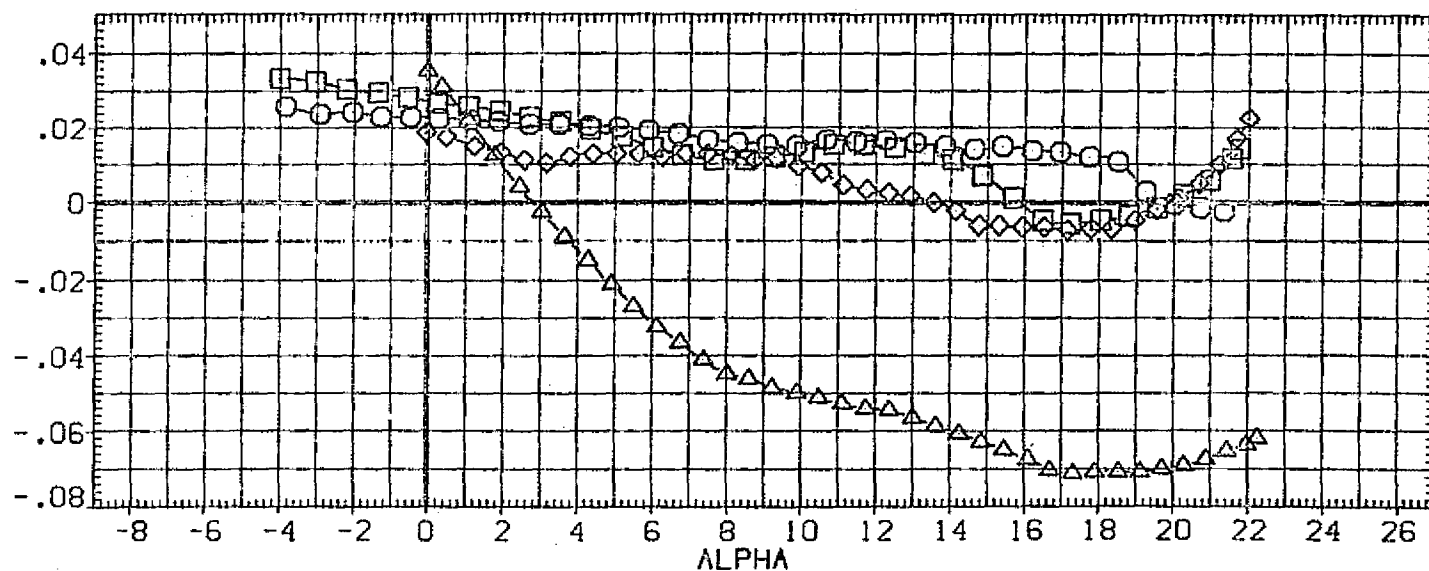


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

LA67 (LTV 552) ORBITER 49-0

(SFD004)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.621	ELEVON	.000	AILRON	.000
□	.809	SPDBRK	25.000	RN/L	10.000
◇	.904	GRITNO	120.000	RCSP05	.000
△	1.193	BETA	.000	ALFSWP	1.000
		BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

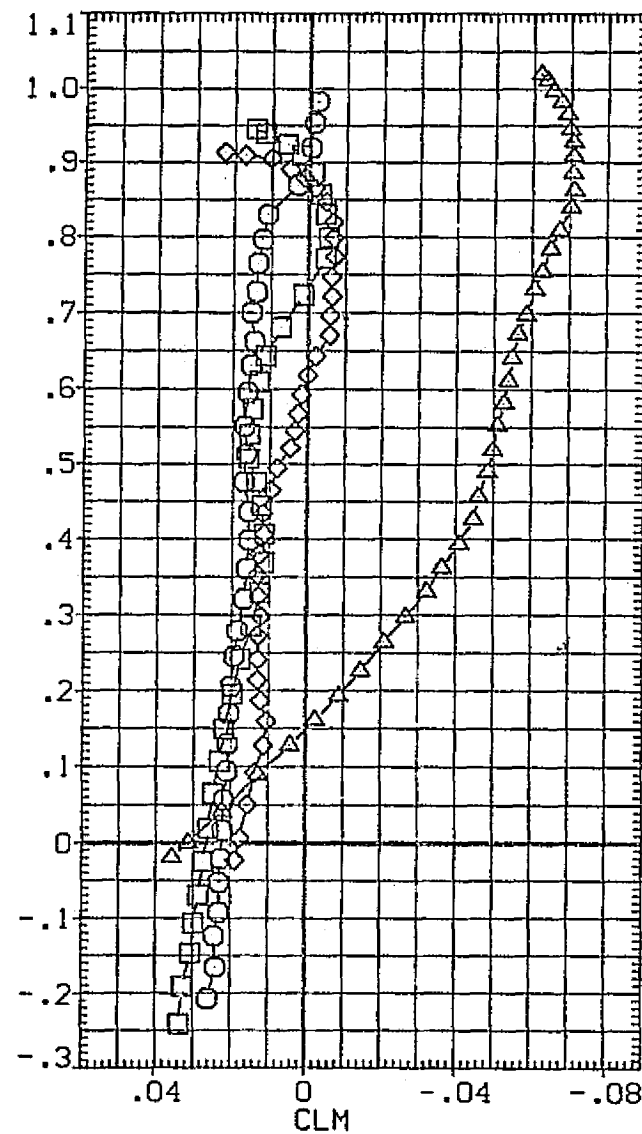
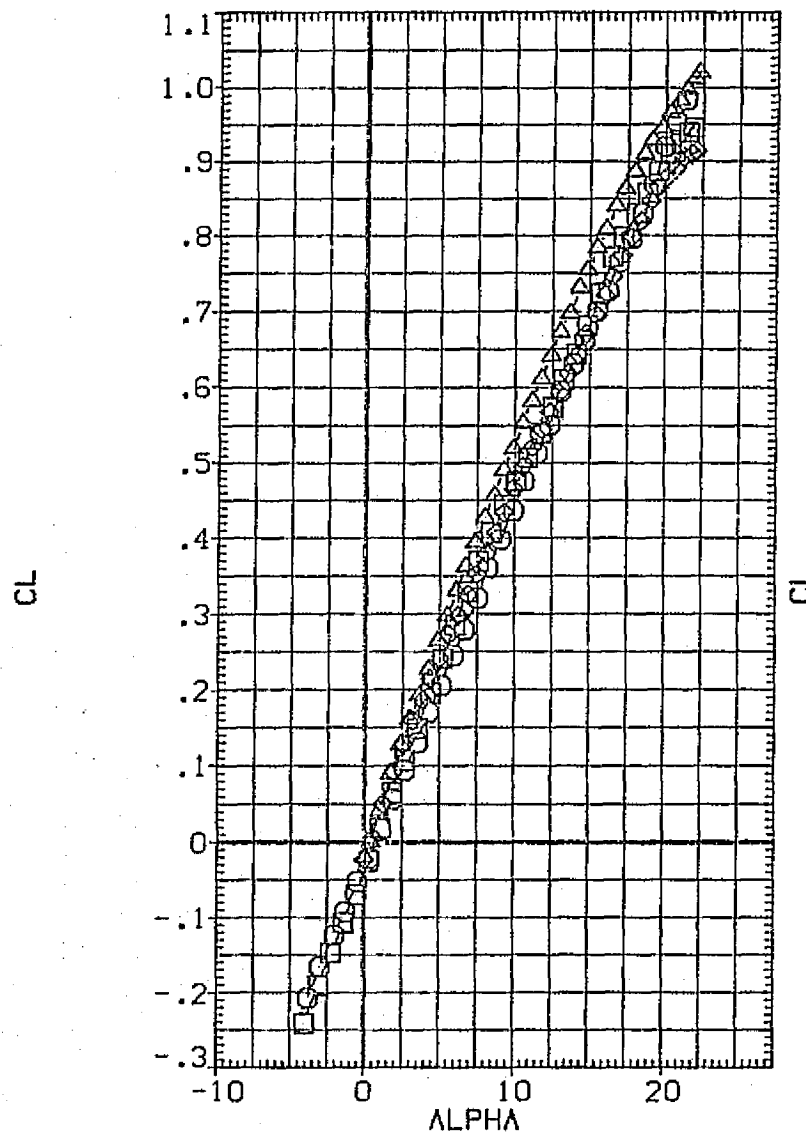


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES			
○	.621	ELEVON	.000	AILRON	.000
□	.809	SPDBRK	25.000	RN/L	10.000
◇	.904	GRITND	120.000	RESPOS	.000
△	1.193	BETA	.000	ALFSWP	1.000
		BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.0000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

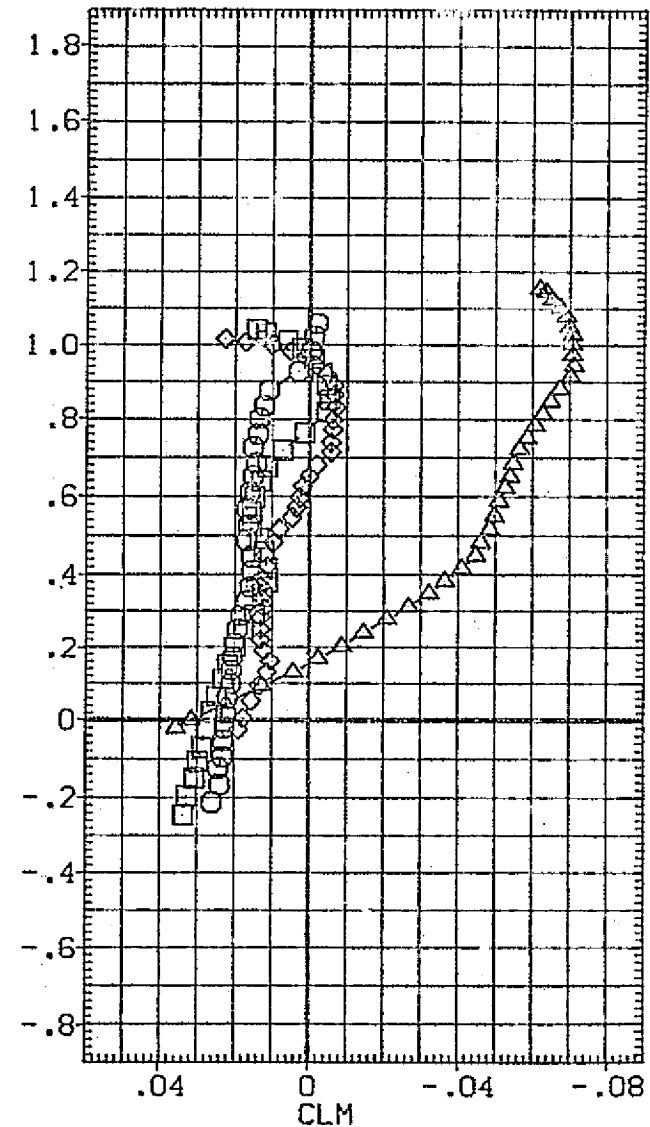
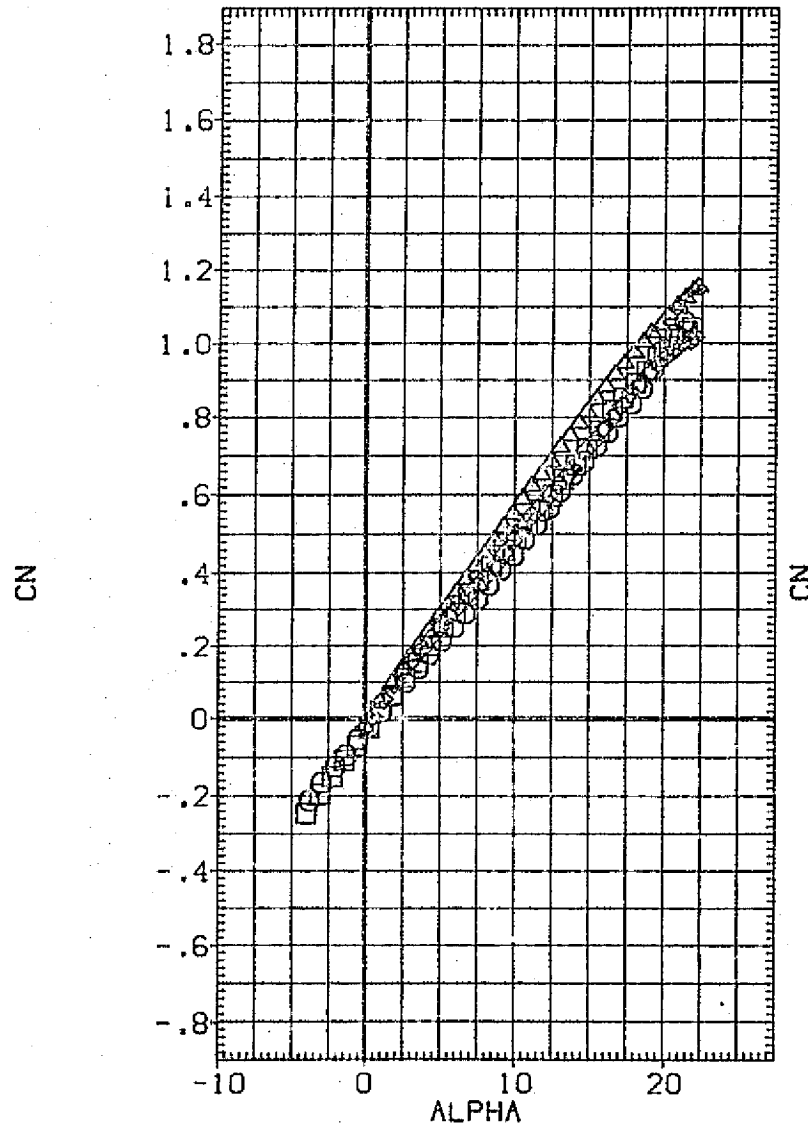


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

LA67 (LTV 552) ORBITER 49-0

(AFD004)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	.621	ELEVON	.000	AILRON	.000	SREF	2690.0000	SQ.FT.
□	.809	SPDBRK	25.000	RN/L	10.000	LREF	474.8000	INCHES
◇	.904	GRITND	120.000	RCSPDS	.000	BREF	936.7000	INCHES
△	1.193	BETA	.000	ALFSWP	1.000	XMRP	1076.7000	IN. X0
		BDFLAP	.000	RUDDER	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

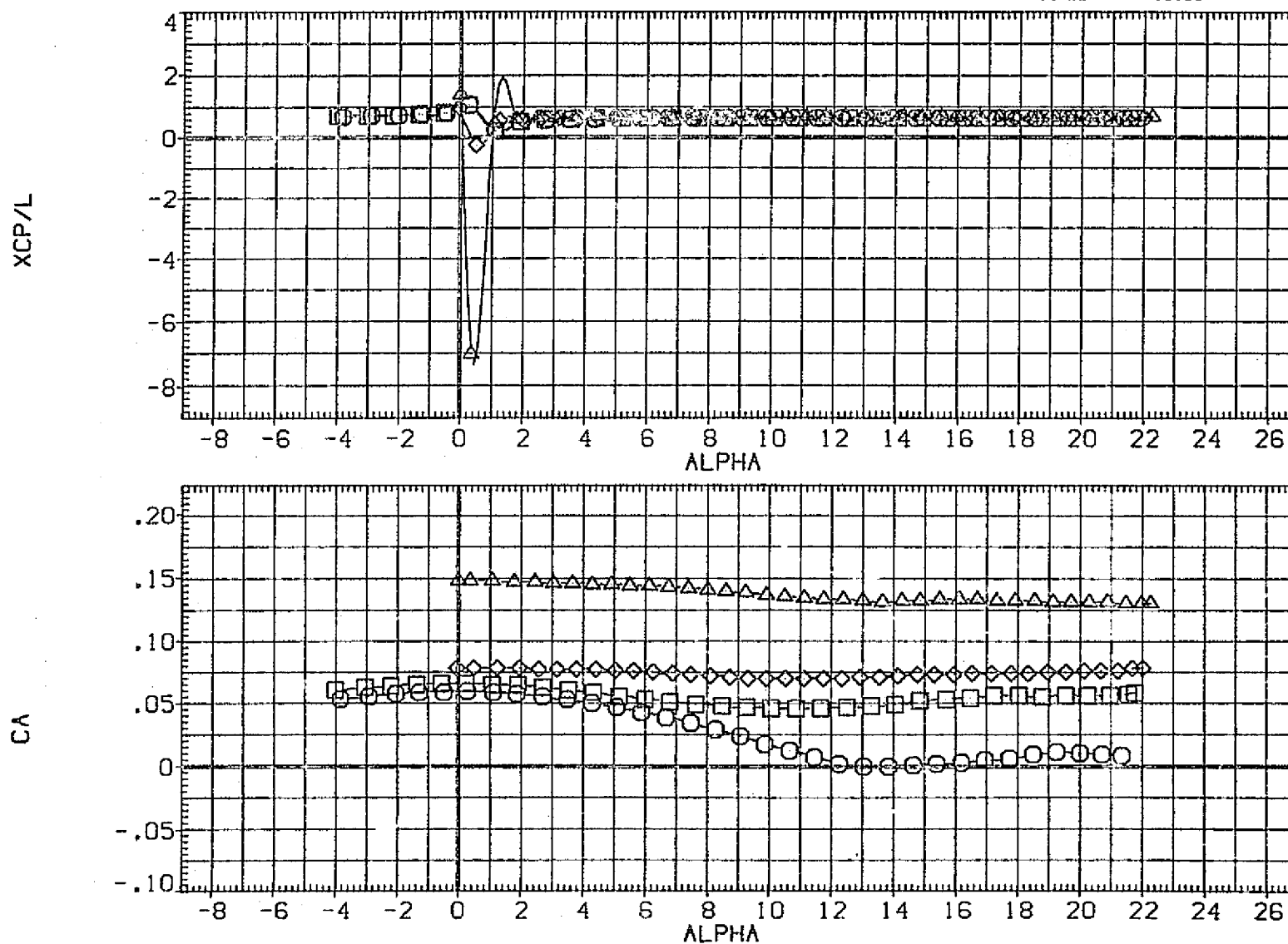


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	.621	ELEVON	.000	AILRON	.000	SREF	1690.0000	50. FT.
□	.809	SPDBRK	25.000	RN/L	10.000	LINEP	174.8000	INCHES
◇	.904	GRITND	120.000	RCSP05	.000	BREF	936.7000	INCHES
△	1.193	BETA	.000	ALFSWP	1.000	XMRP	1076.7000	IN. X0
		BDFLAP	.000	RUDDER	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

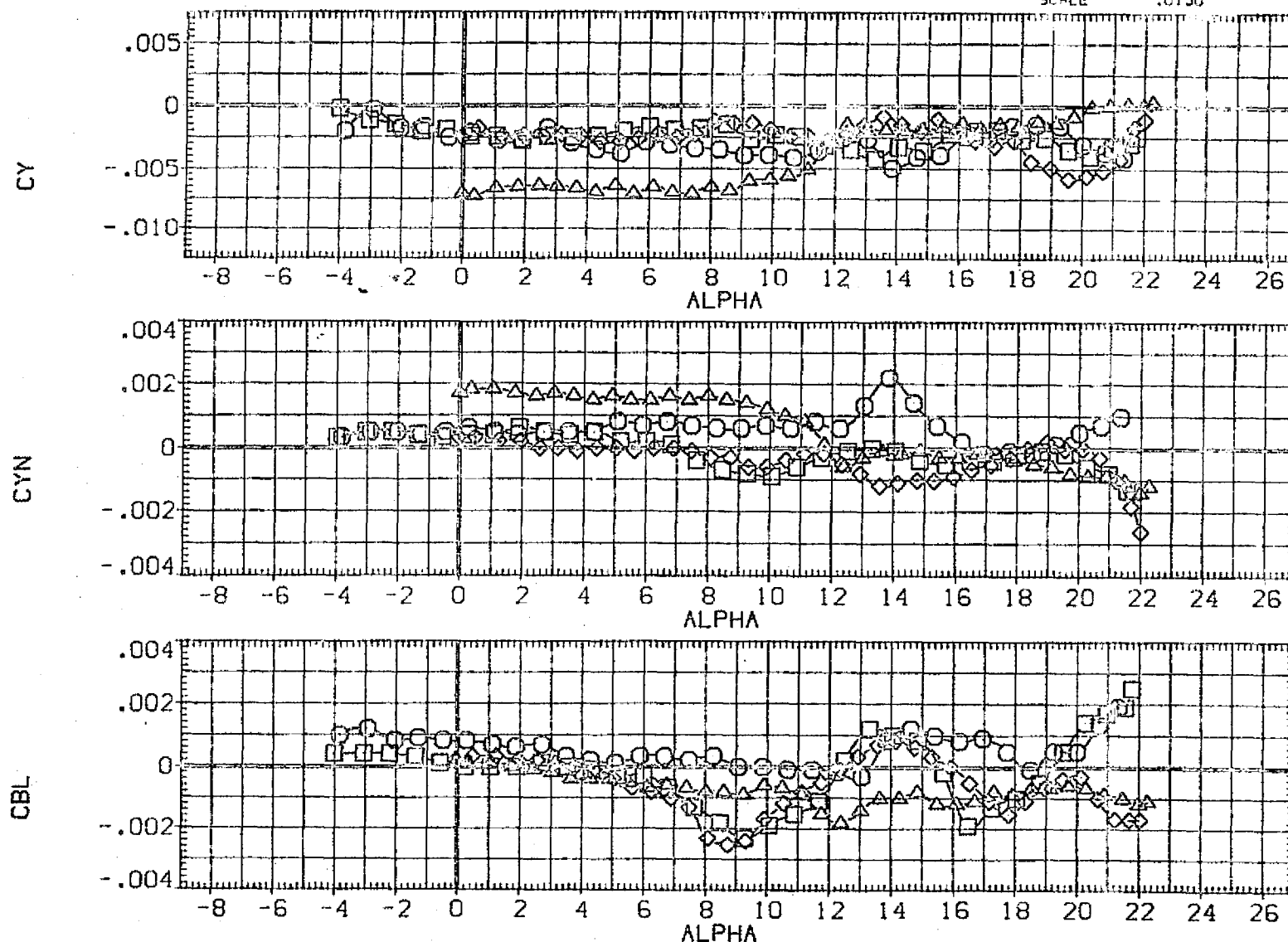


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

LA67 (LTV 552) ORBITER 49-0

(AFD004)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	.621	ELEVON	.000	AILRON	.000	SREF	2690.0000	50. FT.
□	.809	SPDBRK	25.000	RN/L	10.000	LREF	474.8000	INCHES
◇	.904	GRITND	120.000	RCSP05	.000	BREF	936.7000	INCHES
△	1.193	BETA	.000	ALFSWP	1.000	XMRP	1076.7000	IN. X0
		BDFLAP	.000	RUDDER	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

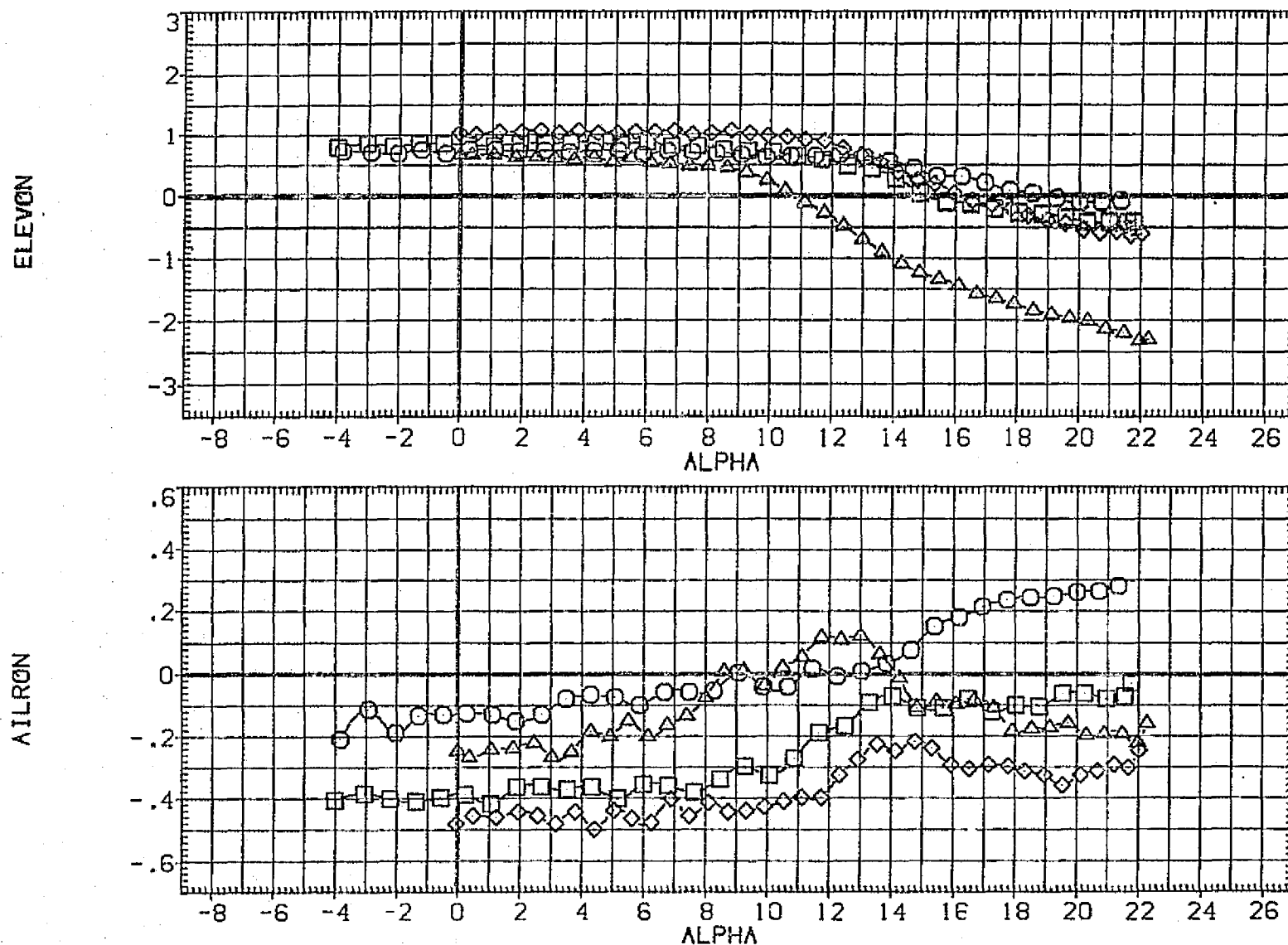


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(EFD032)	LA67 (LTV 552) ORBITER 49-0
(EFD032)	LA67 (LTV 552) ORBITER 49-0
(EFD033)	LA67 (LTV 552) ORBITER 49-0
(EFD034)	LA67 (LTV 552) ORBITER 49-0

MACH	RN/L	SPDBRK
1.510	8.000	55.000
2.010	8.000	55.000
2.990	10.000	55.000
4.591	16.000	55.000

REFERENCE INFORMATION		
SREF	2690.0000	IN. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

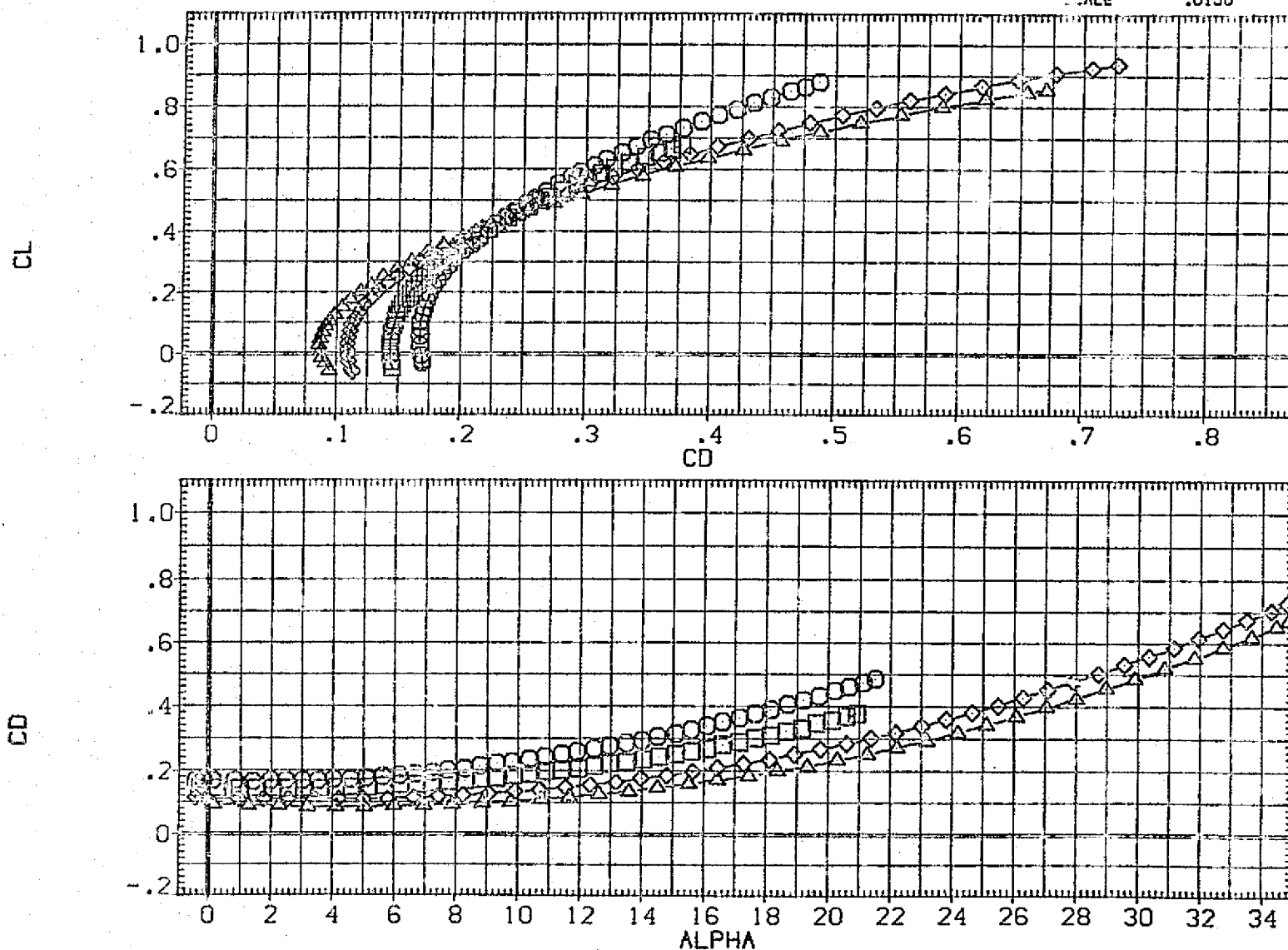


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(EFDA32) □	LA67 (LTV 552) ORBITER 49-0
(EFD932) ○	LA67 (LTV 552) ORBITER 49-0
(EFD033) ◇	LA67 (LTV 552) ORBITER 49-0
(EFD034) △	LA67 (LTV 552) ORBITER 49-0

MACH	RN/L	SPDBRK
1.510	8.000	55.000
2.010	8.000	55.000
2.990	10.000	55.000
4.591	16.000	55.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

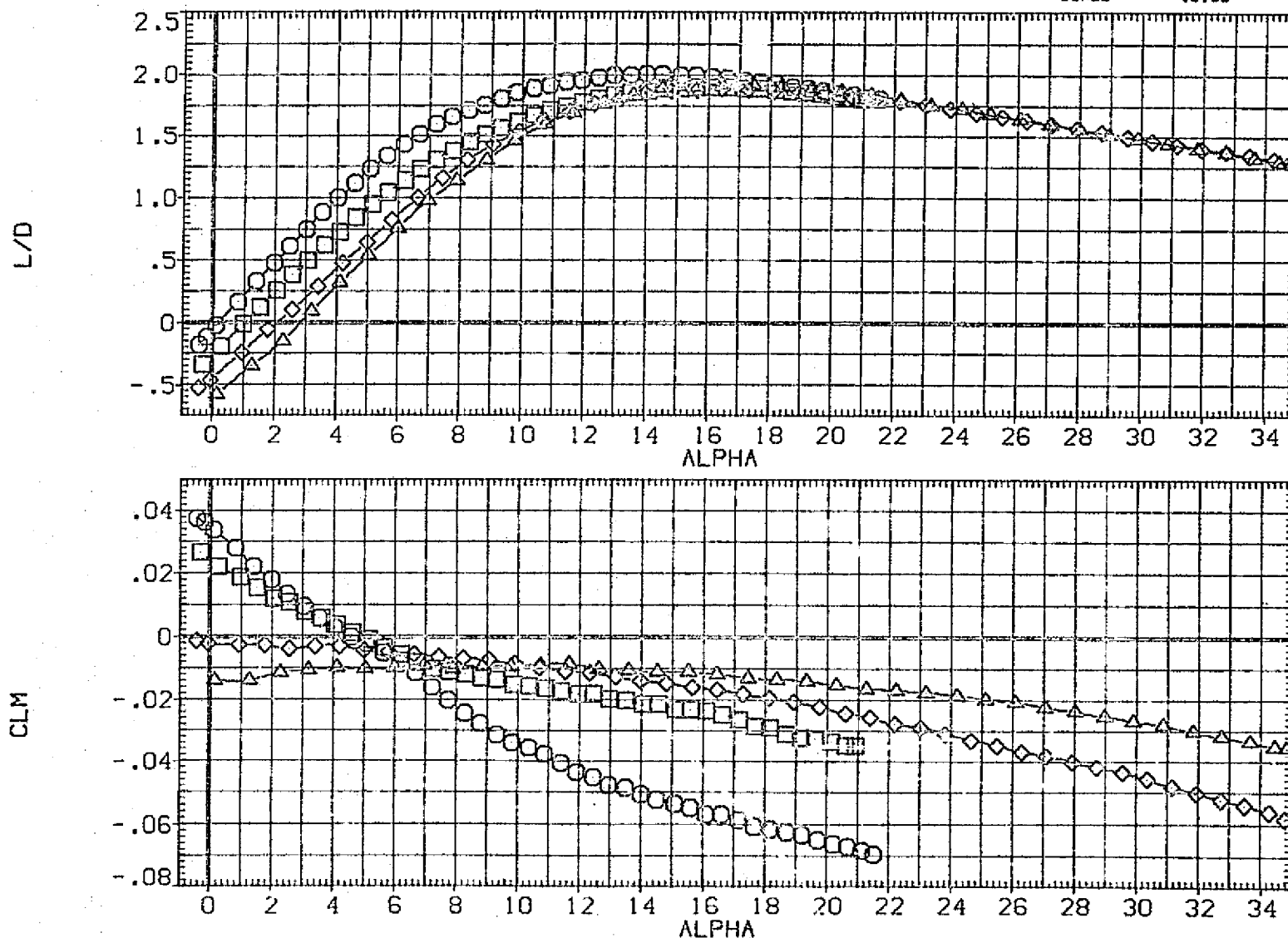


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER
(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(EFDA32)	LA67 (LTV 552)	ORBITER 49-0
(EFDB32)	LA67 (LTV 552)	ORBITER 49-0
(EFD033)	LA67 (LTV 552)	ORBITER 49-0
(EFD034)	LA67 (LTV 552)	ORBITER 49-0

MACH	RN/L	SPDRBK
1.510	8.000	55.000
2.010	8.000	55.000
2.990	10.000	55.000
4.591	16.000	55.000

REFERENCE INFORMATION		
SREF	2690.000	SQ. FT.
LREF	474.000	INCHES
BREF	9.000	INCHES
XMRP	101.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

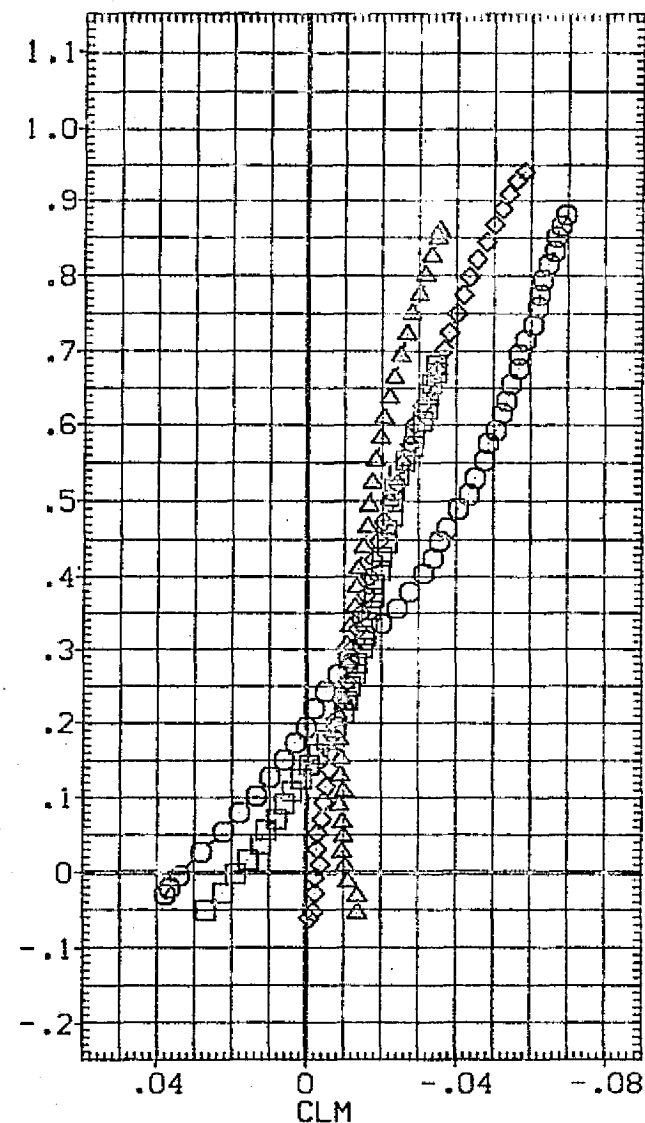
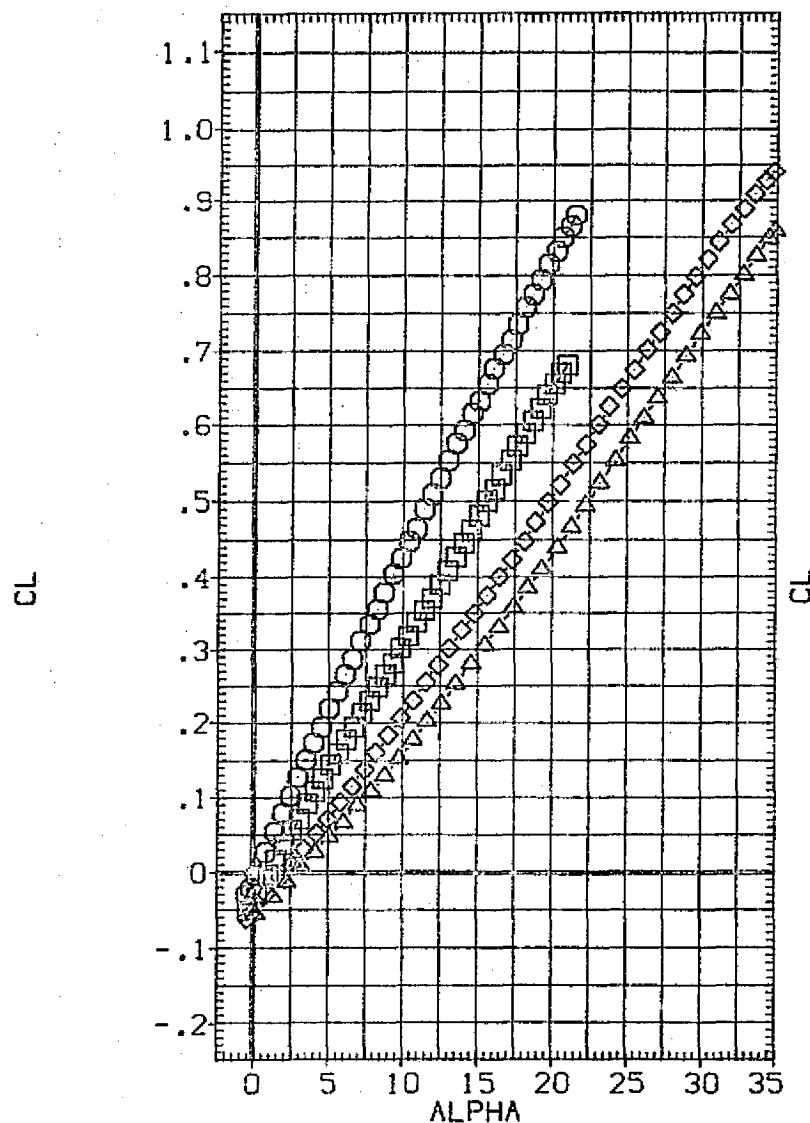


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DFDA32)	LA67 (LTV 552) ORBITER 49-0
(DFD832)	LA67 (LTV 552) ORBITER 49-0
(DFD033)	LA67 (LTV 552) ORBITER 49-0
(DFD034)	LA67 (LTV 552) ORBITER 49-0

MACH	RN/L	SPDBRK
1.510	8.000	55.000
2.010	8.000	55.000
2.990	10.000	55.000
4.591	16.000	55.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

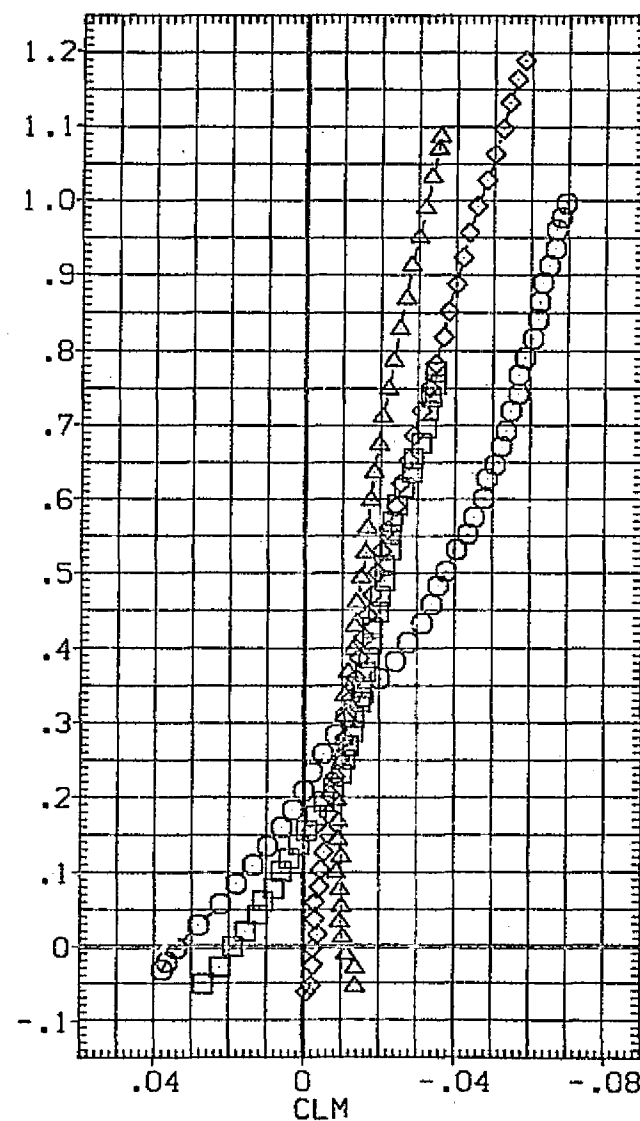
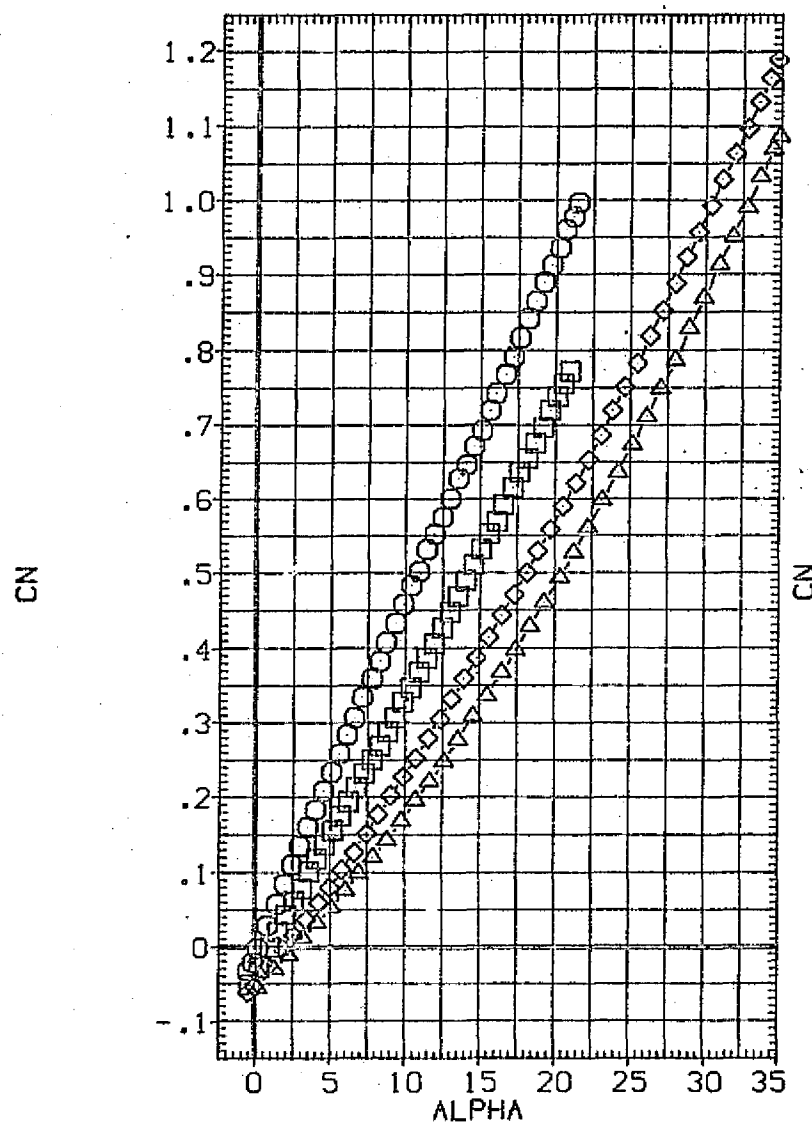


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER
(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DFDA32)	LA67 (LTV 552) ORBITER 49-0
(DFDB32)	LA67 (LTV 552) ORBITER 49-0
(DFD033)	LA67 (LTV 552) ORBITER 49-0
(DFD034)	LA67 (LTV 552) ORBITER 49-0

MACH	RN/L	SPDLR
1.510	8.000	55.000
2.010	8.000	55.000
2.990	10.000	55.000
4.591	16.000	55.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

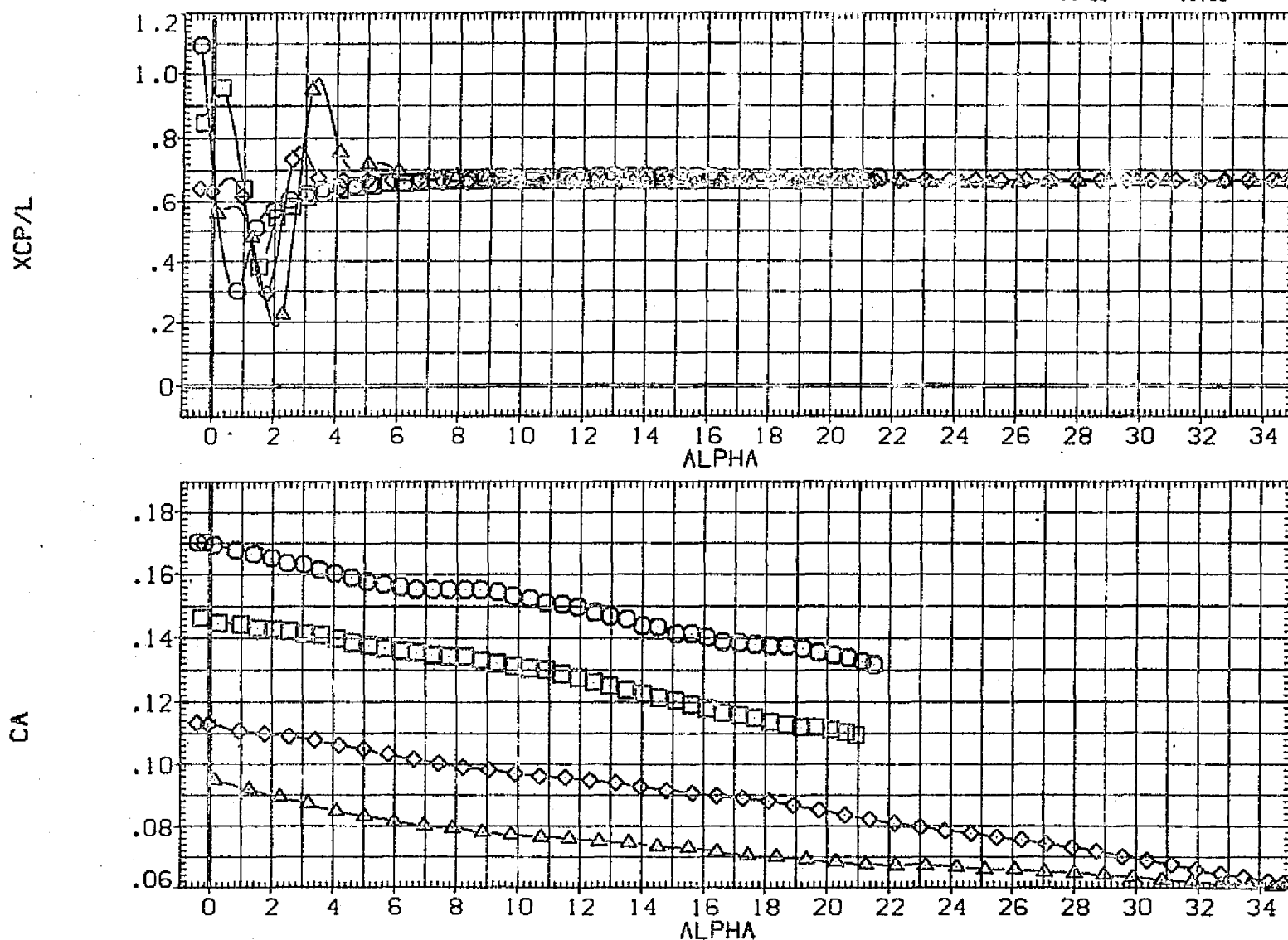


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER
(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DFDA32) □	LA67 (LTV 552) ORBITER 49-0
(DFDB32) ○	LA67 (LTV 552) ORBITER 49-0
(DFDD33) ◇	LA67 (LTV 552) ORBITER 49-0
(DFDD34) △	LA67 (LTV 552) ORBITER 49-0

MACH	RN/L	SPDBRK
1.510	8.000	55.000
2.010	8.000	55.000
2.990	10.000	55.000
4.591	16.000	55.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

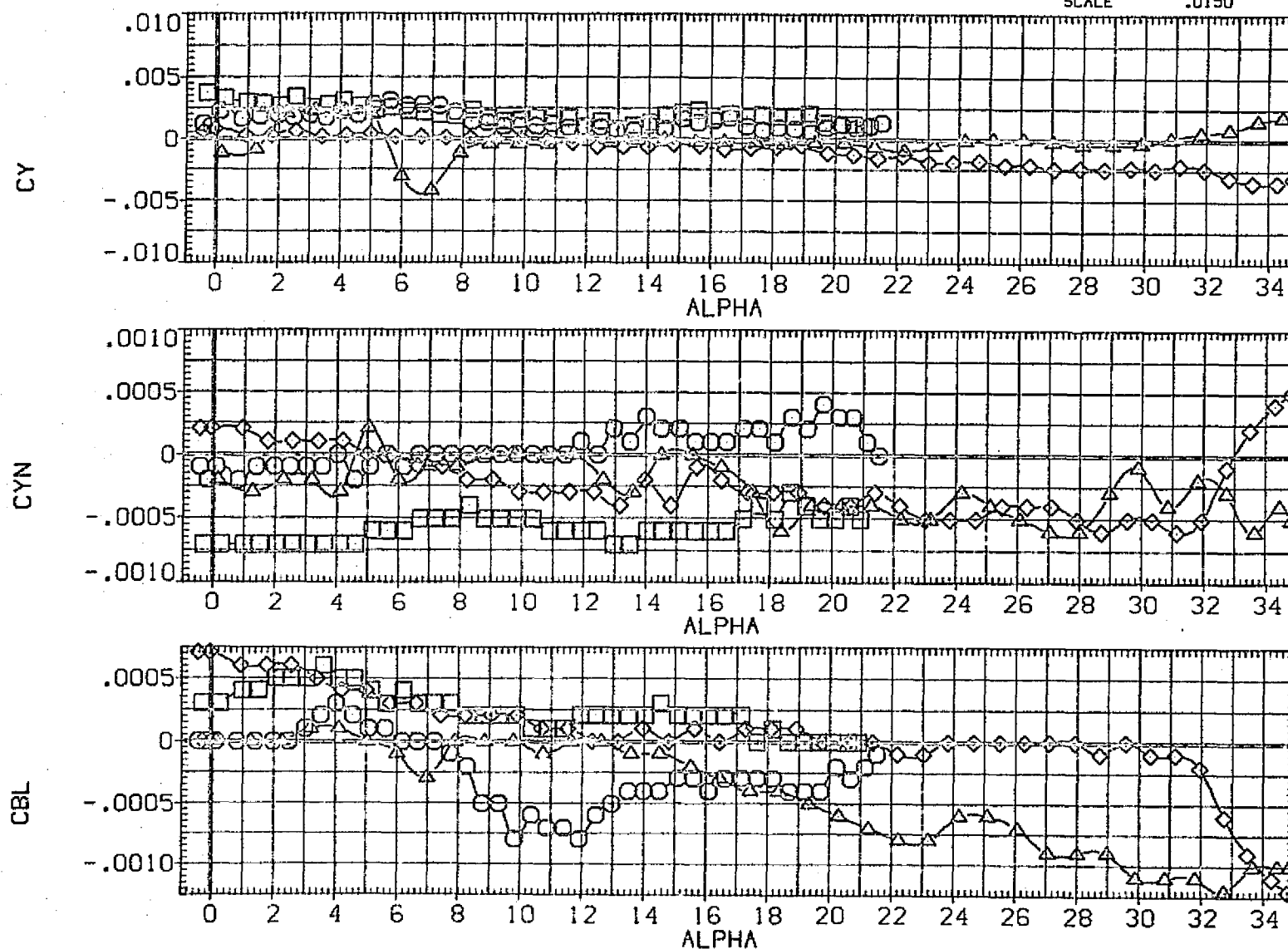


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER
(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DFDA32) ○	LA67 (LTV 552) ORBITER 49-0
(DFDB32) □	LA67 (LTV 552) ORBITER 49-0
(DFDD33) ◇	LA67 (LTV 552) ORBITER 49-0
(DFDD34) △	LA67 (LTV 552) ORBITER 49-0

MACH	RN/L	SPDBRK
1.510	8.000	55.000
2.010	8.000	55.000
2.990	10.000	55.000
4.591	16.000	55.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.0000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

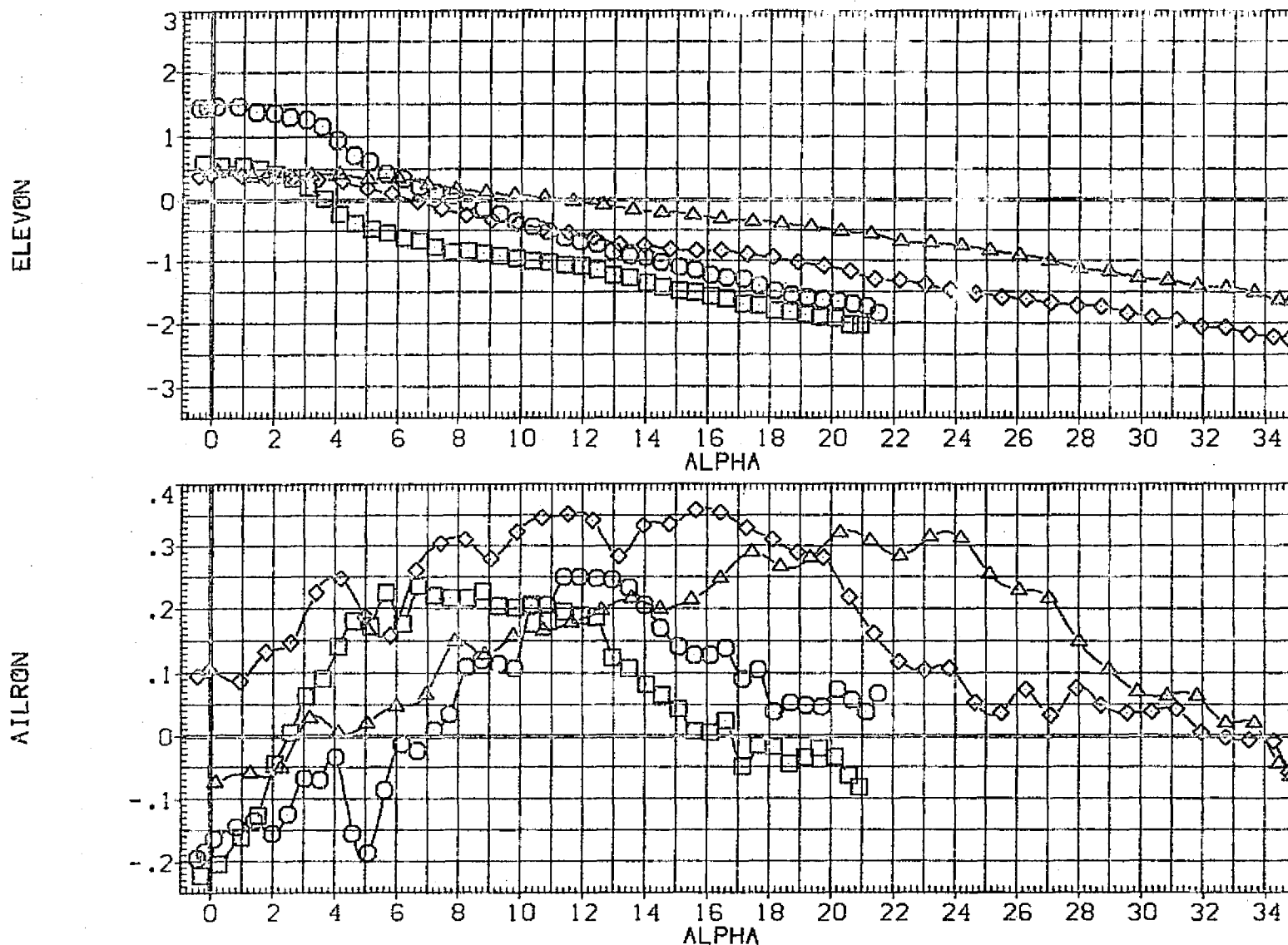


FIG. 8 EFFECT OF MACH NO. ON BASELINE ORBITER

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD021)	LA67 (LTV 552) ORBITER 49-0
(SFD003)	LA67 (LTV 552) ORBITER 49-0
(SFD023)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
7.500	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
7.500	.000	.000	.000	LREF 474.8000 INCHES
7.500	5.000	.000	.000	BREF 936.7000 INCHES
				XMRF 1076.7000 IN. X0
				YMRF .0000 IN. Y0
				ZMRF 375.0000 IN. Z0
				SCALE .0150

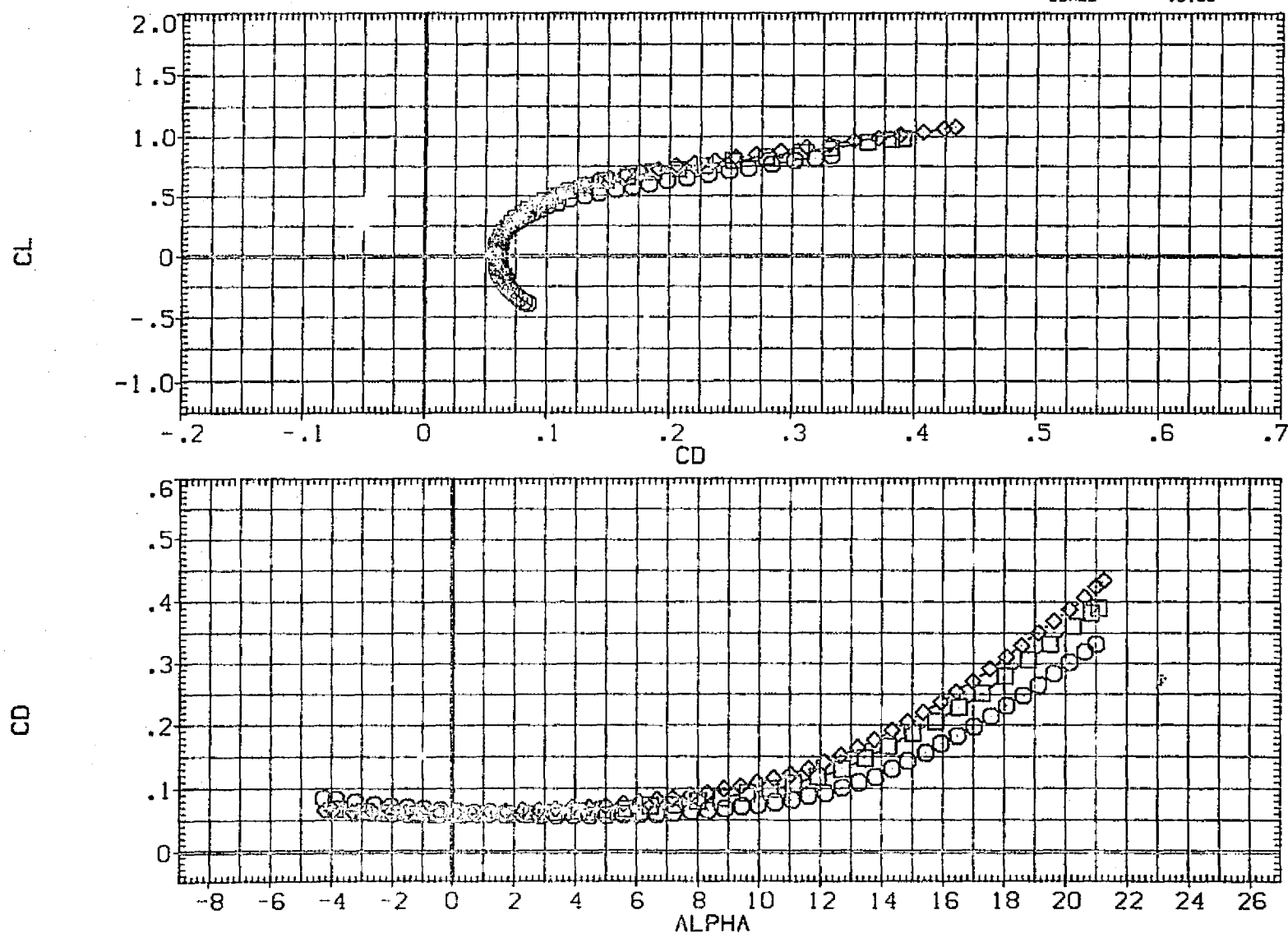


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(SFD021)	LA67 (LTV 552)	ORBITER 49-0
(SFD003)	LA67 (LTV 552)	ORBITER 49-0
(SFD023)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
7.500	-10.000	.000	.000	SREF	2690.0000 SQ.FT.
7.500	.000	.000	.000	LREF	474.8000 INCHES
7.500	5.000	.000	.000	BREF	936.7000 INCHES
				XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

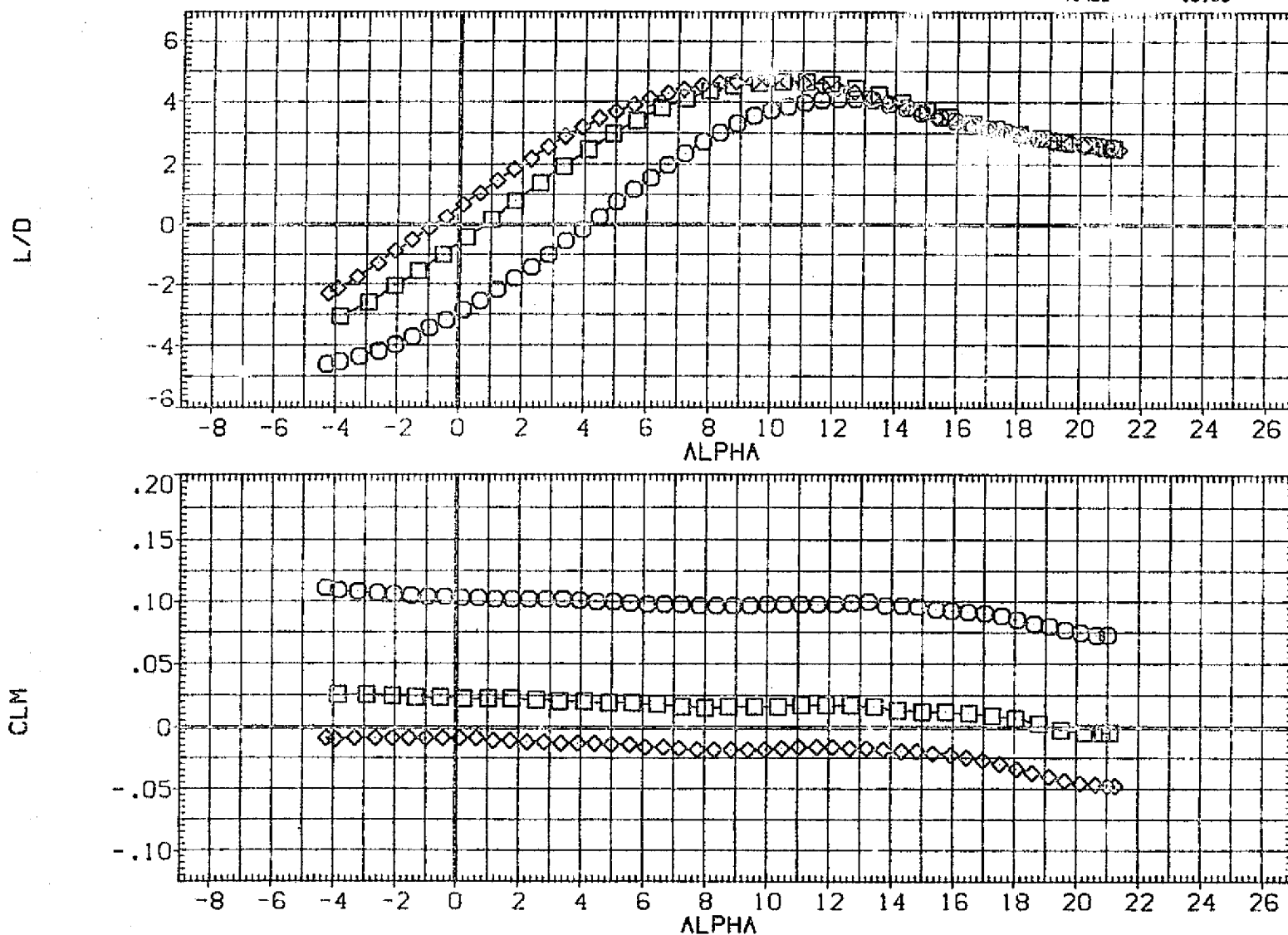


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(SFD021)	LA67 (LTV 552)	ORBITER 49-0
(SFD003)	LA67 (LTV 552)	ORBITER 49-0
(SFD023)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
7.500	-10.000	.000	.000	SREF	2690.0000	SO.FT.
7.500	.000	.000	.000	LREF	474.8000	INCHES
7.500	5.000	.000	.000	BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

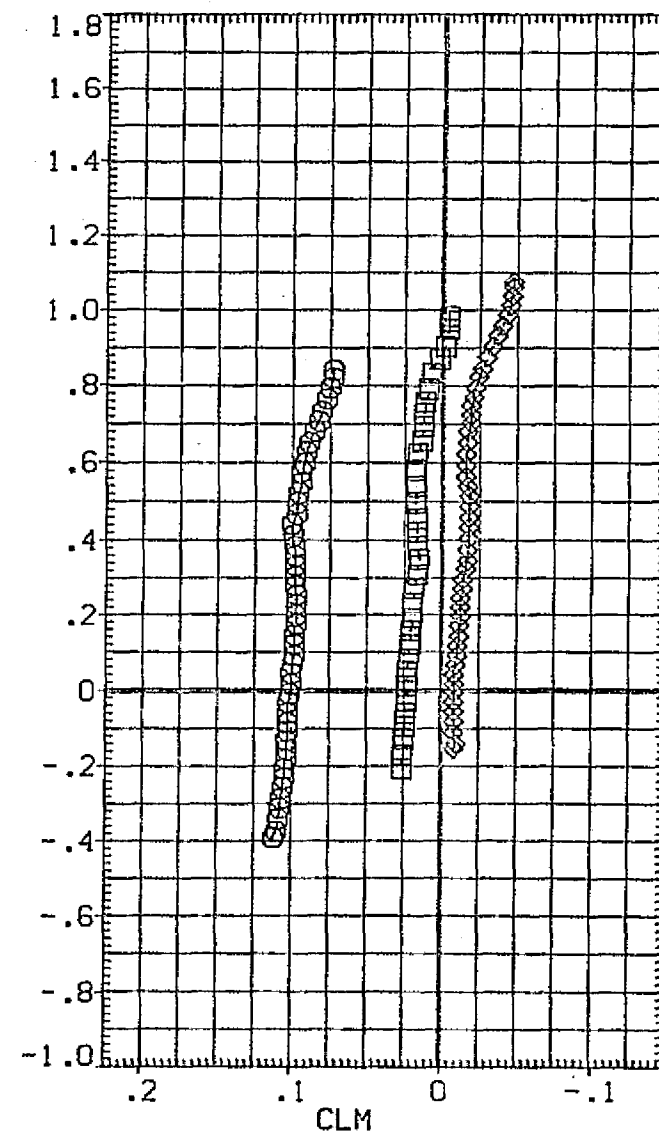
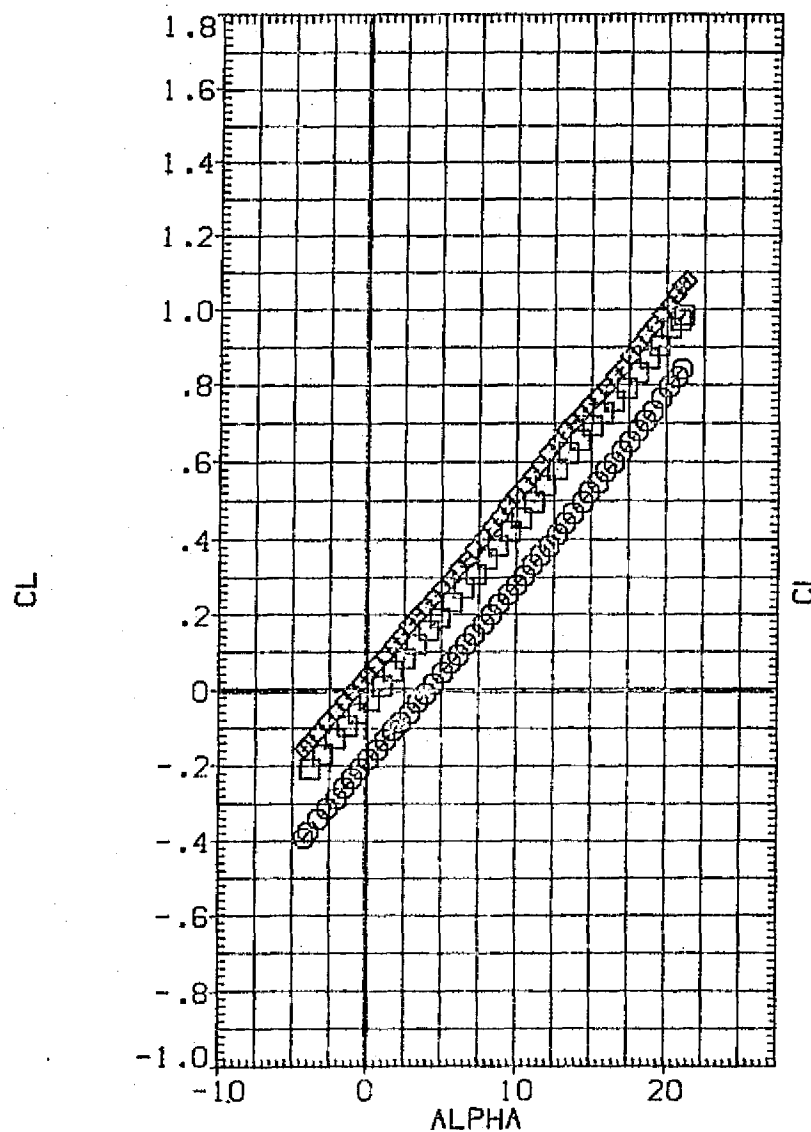


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(AF0021)	□	LA67 (LTV 552)	ORBITER 49-0
(AF0003)	◇	LA67 (LTV 552)	ORBITER 49-0
(AF0023)	◇	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
7.500	-10.000	.000	.000	SREF	2690.0000	50. FT.
7.500	.000	.000	.000	LREF	474.8000	INCHES
7.500	5.000	.000	.000	BREF	936.7000	INCHES
				AP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

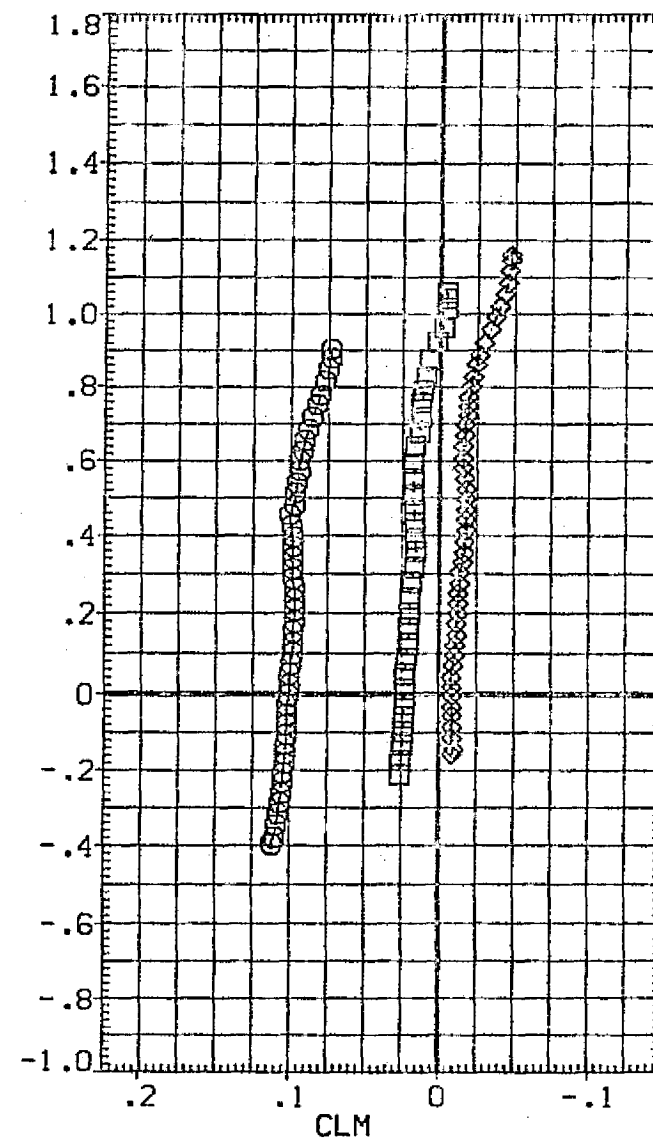
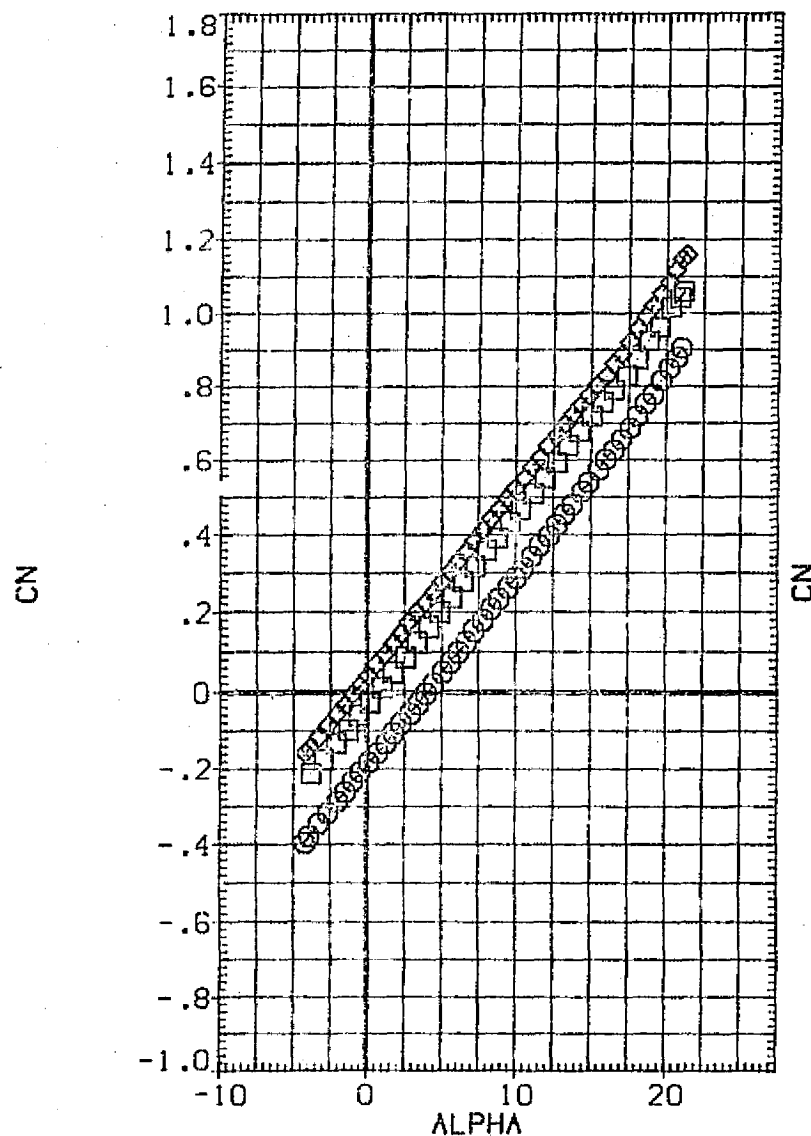


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD021)	LA67 (LTV 552) ORBITER 43-0
(AFD003)	LA67 (LTV 552) ORBITER 49-0
(AFD023)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
7.500	-10.000	.000	.000	SREF 2690.0000 SQ. FT.
7.500	.000	.000	.000	LREF 474.8000 INCHES
7.500	5.000	.000	.000	BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

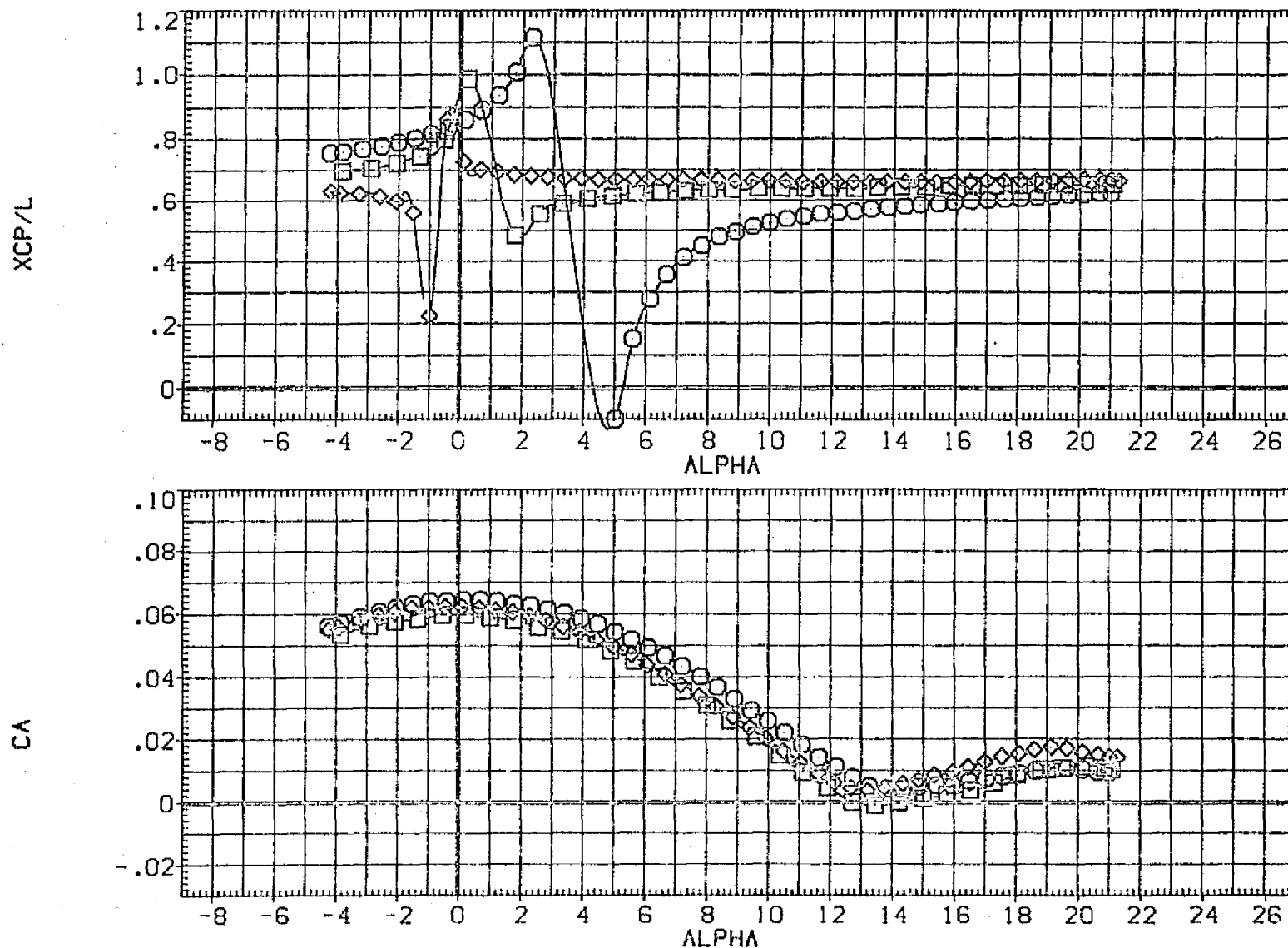


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AF0001)	LA67 (LTV 552)	ORBITER 49-0
(AF0003)	LA67 (LTV 552)	ORBITER 49-0
(AF0003)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
7.500	-10.000	.000	.000	SNCF 2690.0000 SQ. FT.
7.500	.000	.000	.000	LRFF 474.8000 INCHES
7.500	5.000	.000	.000	BRFF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

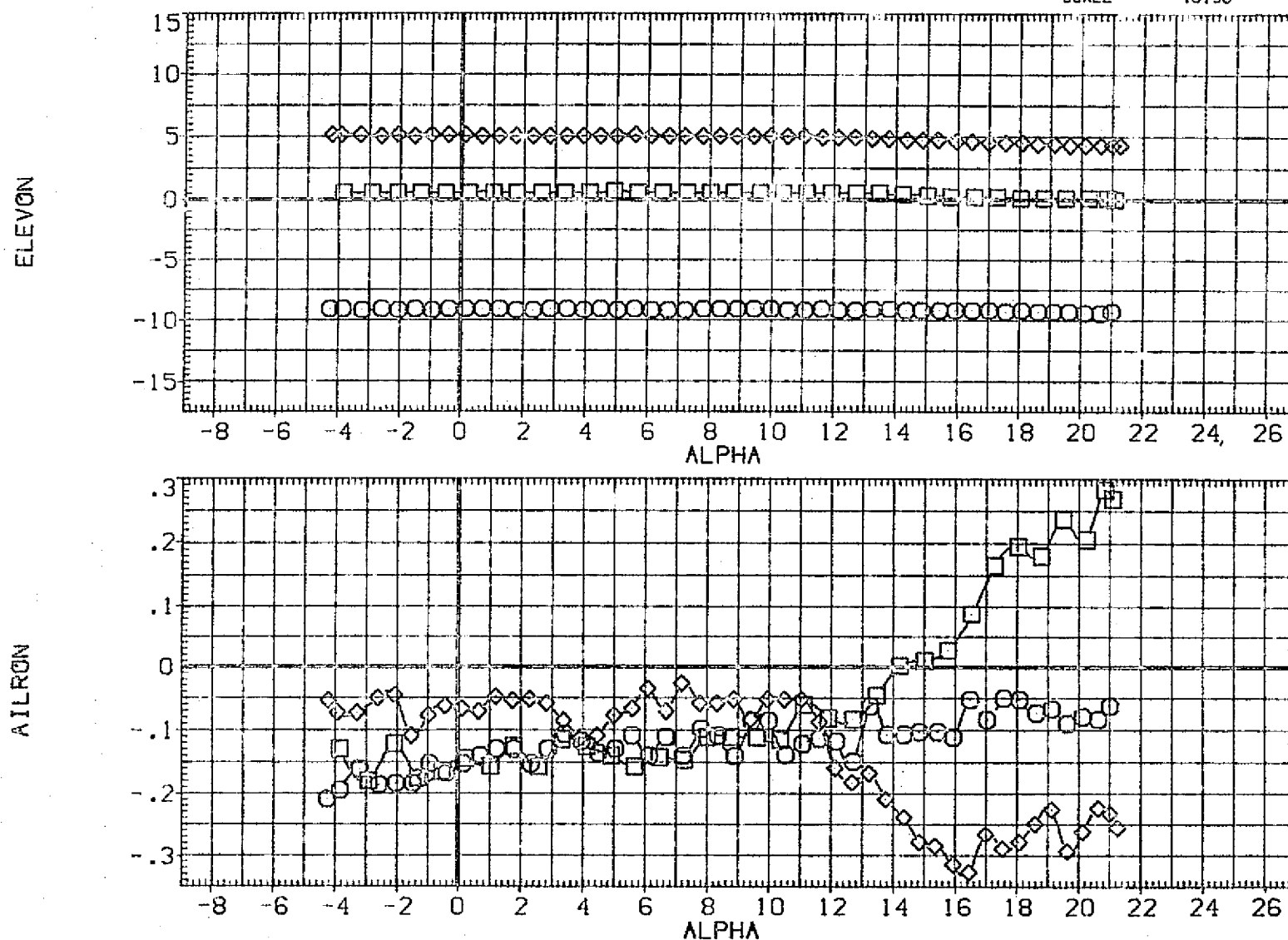


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD022) ○	LA67 (LTV 552) ORBITER 49-0
(SFD004) □	LA67 (LTV 552) ORBITER 49-0
(SFD024) ◇	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
10.000	-10.000	.000	.000	SREF	2690.0000 SQ.FT.
10.000	.000	.000	.000	LREF	474.8000 INCHES
10.000	5.000	.000	.000	BREF	936.7000 INCHES
				XMRP	1076.7000 IN. XO
				YMRP	.0000 IN. YO
				ZMRP	375.0000 IN. ZO
				SCALE	.0150

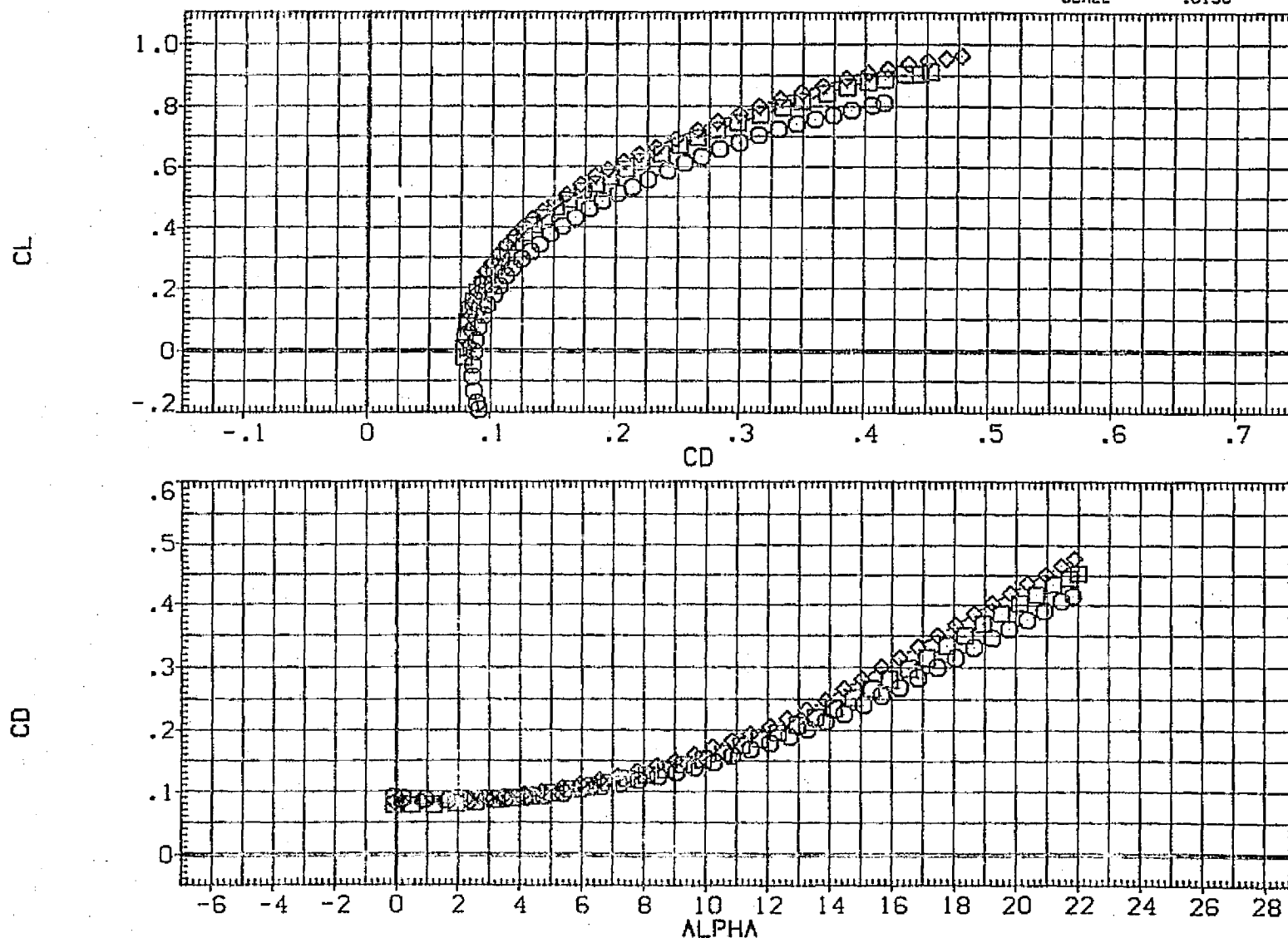


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD022)	LA67 (LTV 552) ORBITER 49-0
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD024)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ. FT.
10.000	.000	.000	.000	LREF 474.8000 INCHES
10.000	5.000	.000	.000	BREF 936.7000 INCHES
				AMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

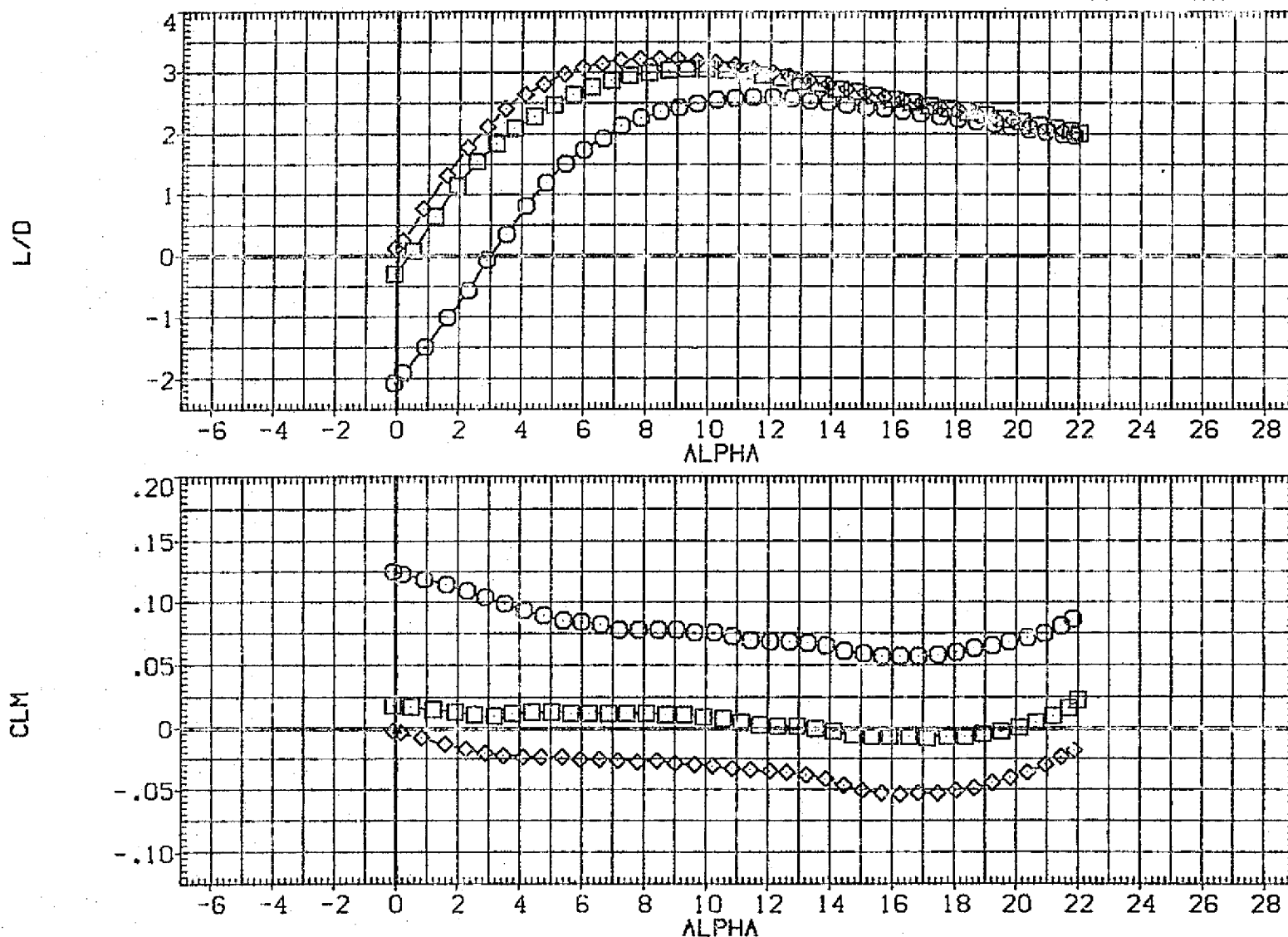


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(SFD022)	LAG7 (LTV 552)	ORBITER 49-0
(SFD004)	LAG7 (LTV 552)	ORBITER 49-0
(SFD024)	LAG7 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
10.000	-10.000	.000	.000	SREF	2690.0000	SQ.FT.
10.000	.000	.000	.000	LREF	474.8000	INCHES
10.000	5.000	.000	.000	BREF	936.7000	INCHES
				XMRP	1076.7000	IN. XO
				YMRP	.0000	IN. YO
				ZMRP	375.0000	IN. ZO
				SCALE	.0150	

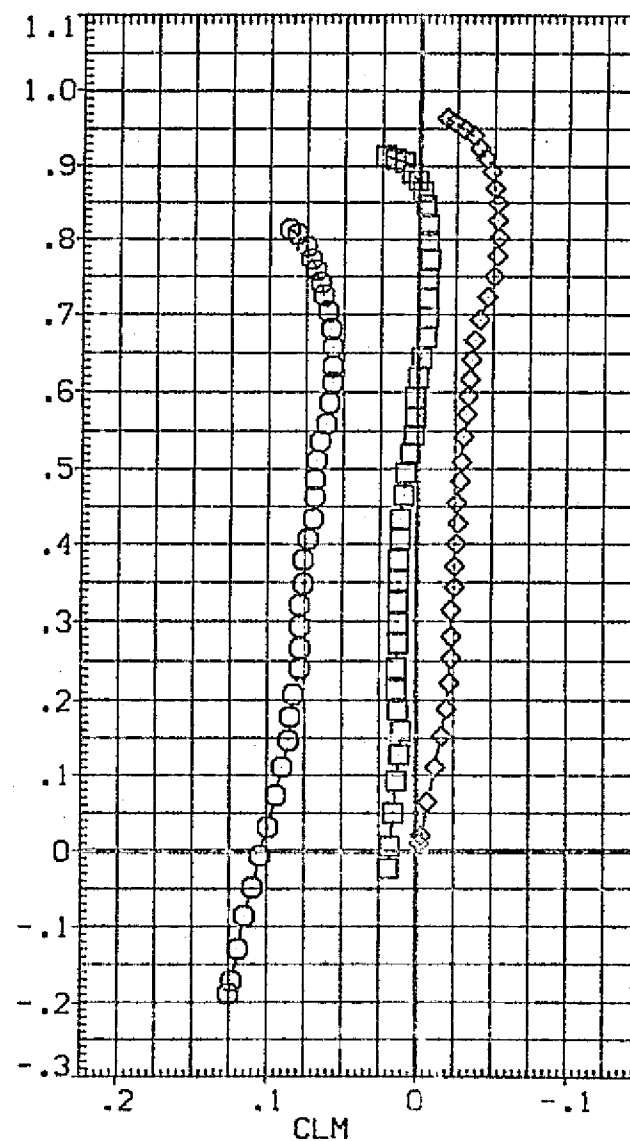
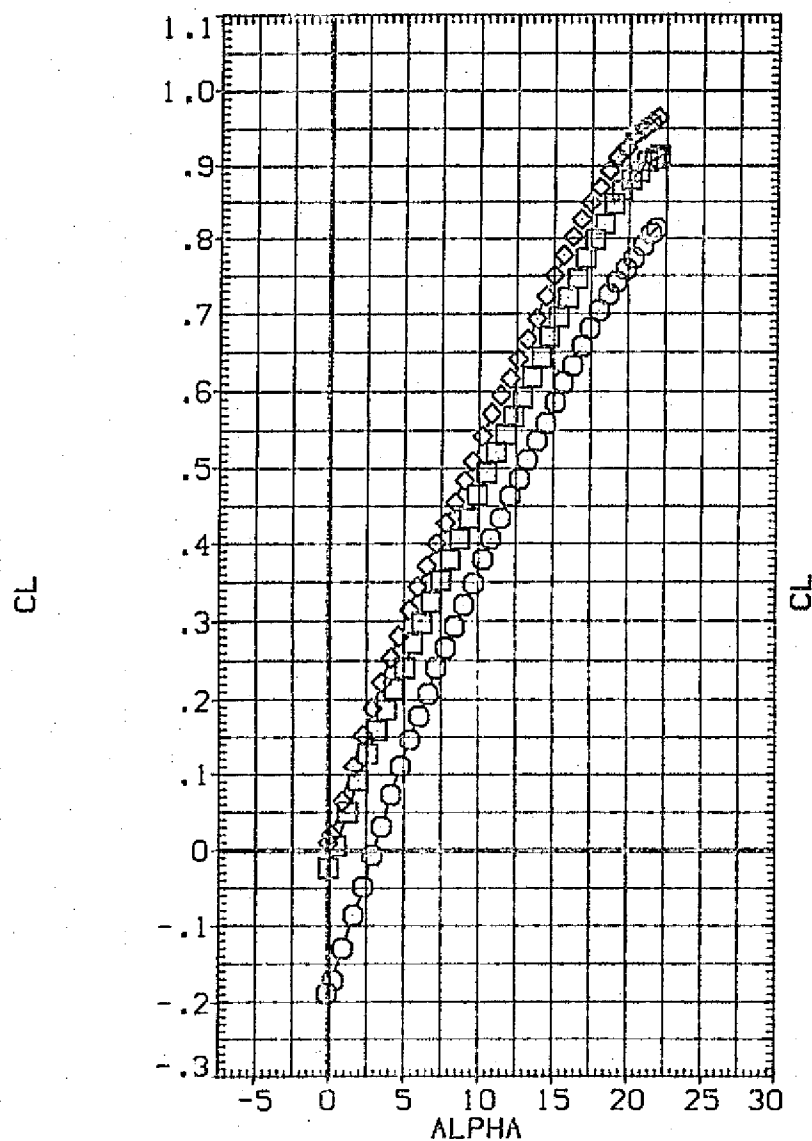


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .90

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD022)	LA67 (LTV 552)	ORBITER 49-0
(AFD004)	LA67 (LTV 552)	ORBITER 49-0
(AFD024)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2000.0000 SQ. FT.
10.000	.000	.000	.000	LREF 474.8000 INCHES
10.000	5.000	.000	.000	BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

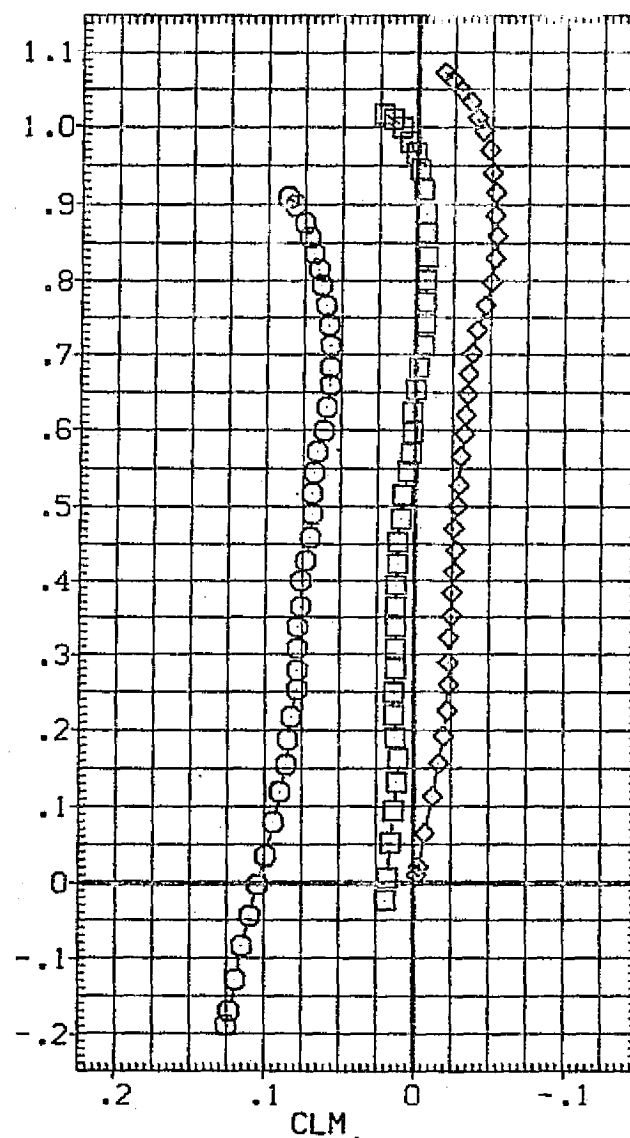
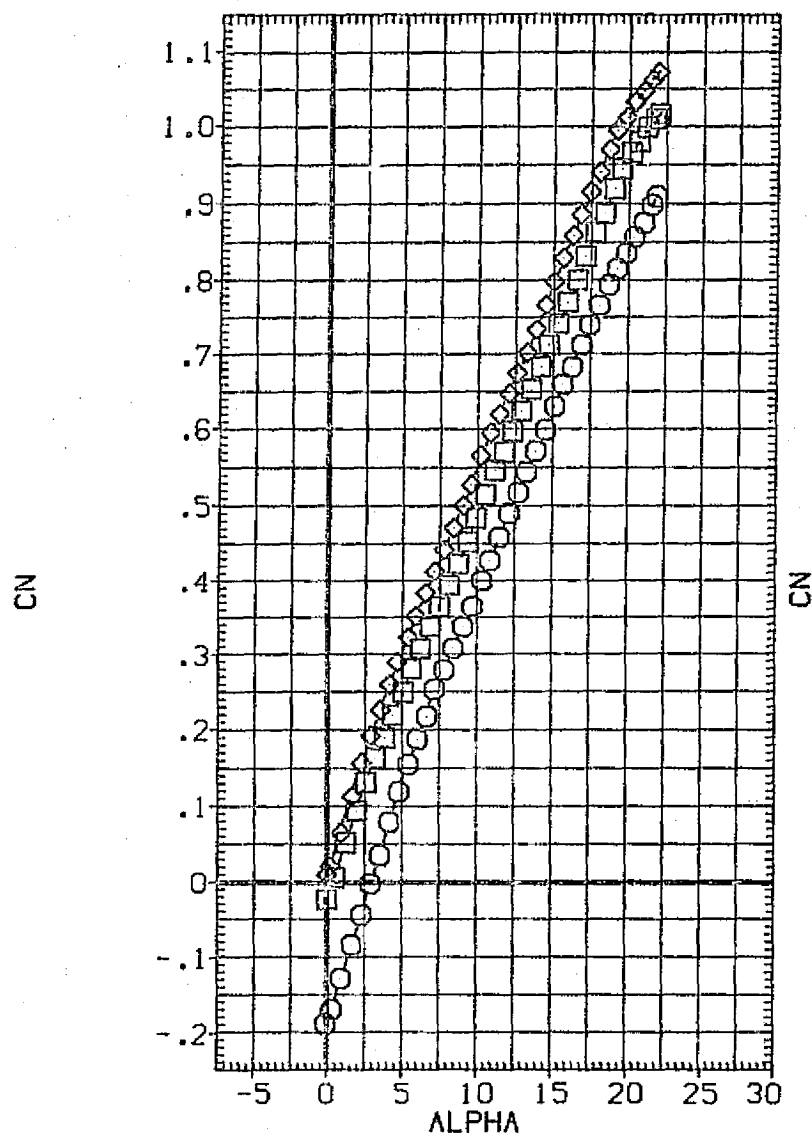


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD022)	LA67 (LTV 552) ORBITER 49-0
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD024)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ. FT.
10.000	.000	.000	.000	LREF 474.8000 INCHES
10.000	5.000	.000	.000	BREF 936.7000 INCHES
				XMRF 1076.7000 IN. X0
				YMRF .0000 IN. Y0
				ZMRF 375.0000 IN. Z0
				SCALE .0150

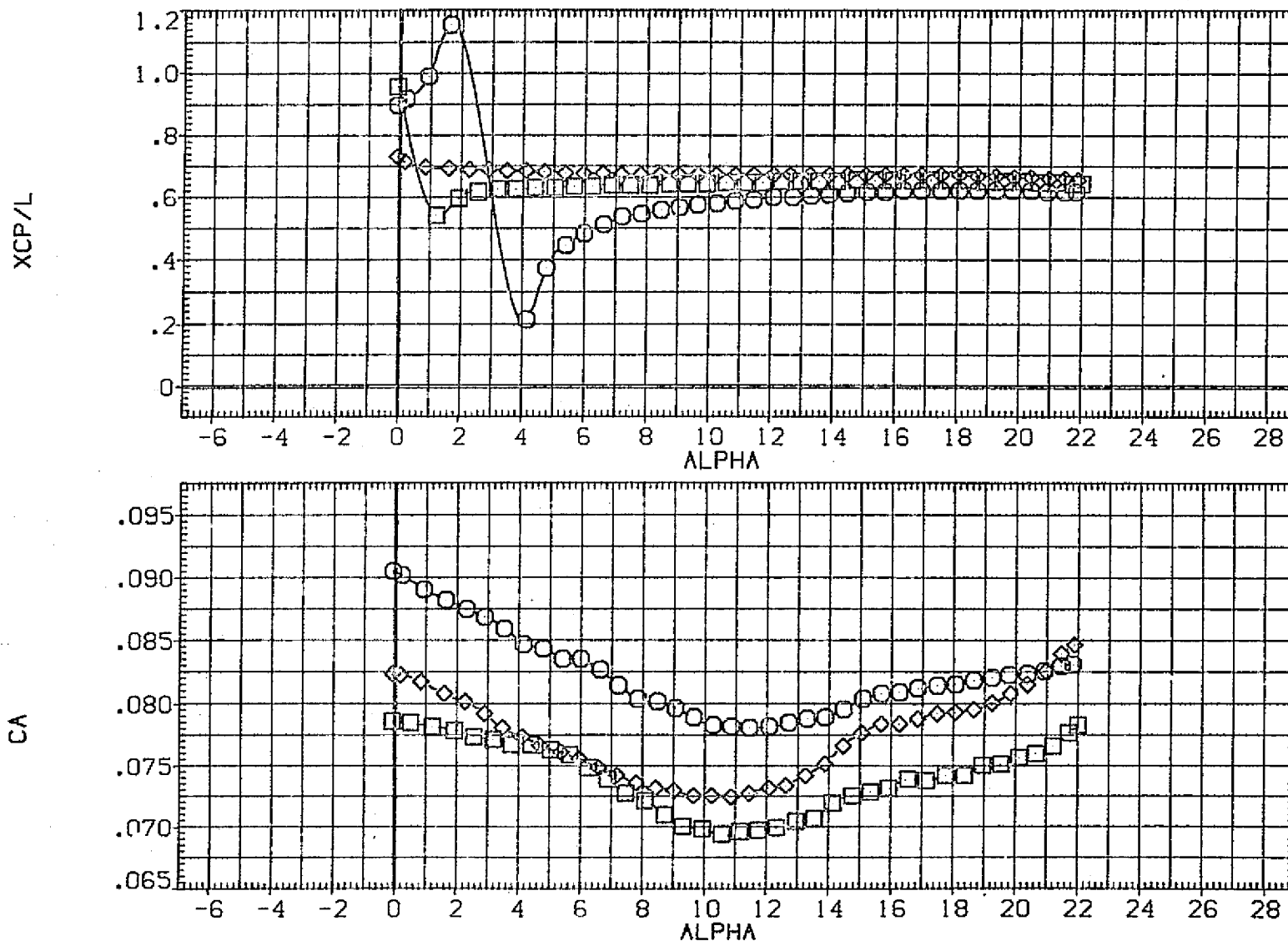


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD022)	LA67 (LTV 552)	ORBITER 49-0
(AFD004)	LA67 (LTV 552)	ORBITER 49-0
(AFD024)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
10.000	-10.000	.000	.000	SREF	2690.0000	SQ. FT.
10.000	.000	.000	.000	LREF	474.8000	INCHES
10.000	5.000	.000	.000	SRF	376.7000	INCHES
				ATAP	.076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

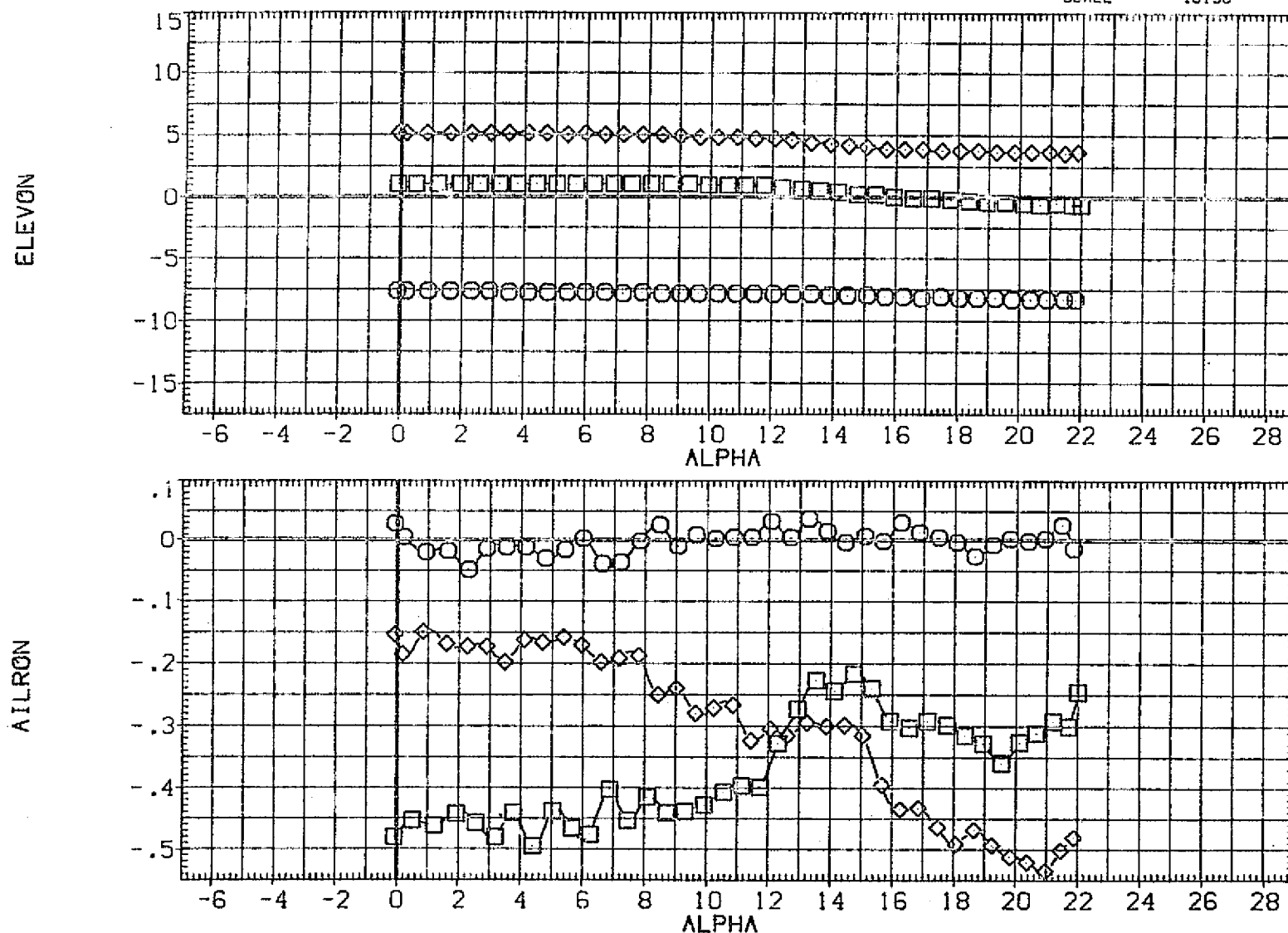


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD022)	LA67 (LTV 552) ORBITER 49-0
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD024)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
10.000	.000	.000	.000	LREF 474.8000 INCHES
10.000	5.000	.000	.000	BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

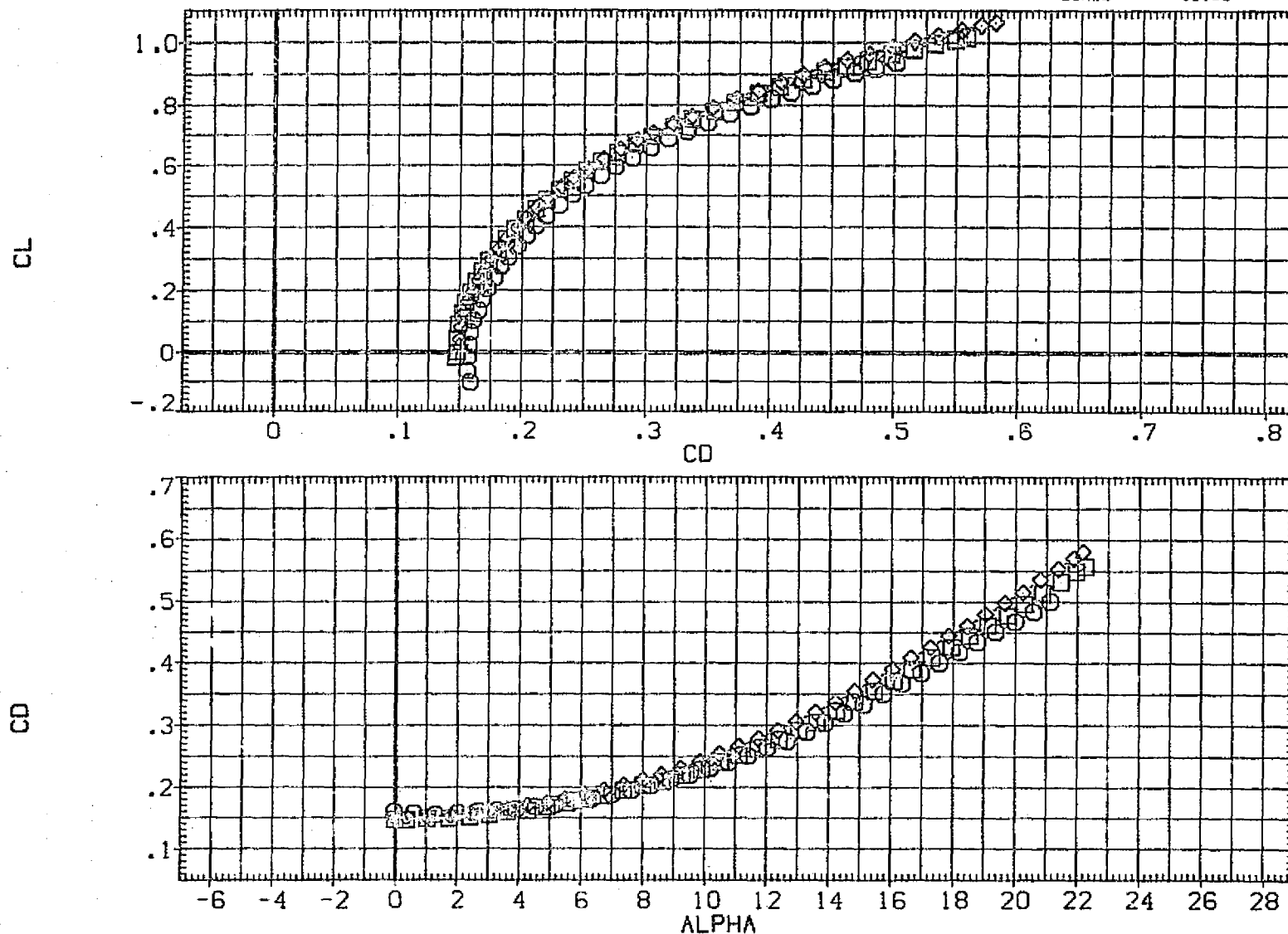


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD022) ○	LA67 (LTV 552) ORBITER 49-0
(SFD004) □	LA67 (LTV 552) ORBITER 49-0
(SFD024) ◇	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
10.000	.000	.000	.000	LREF 474.8000 INCHES
10.000	5.000	.000	.000	BREF 936.7000 INCHES
				XMRP 1076.7000 IN. XO
				YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

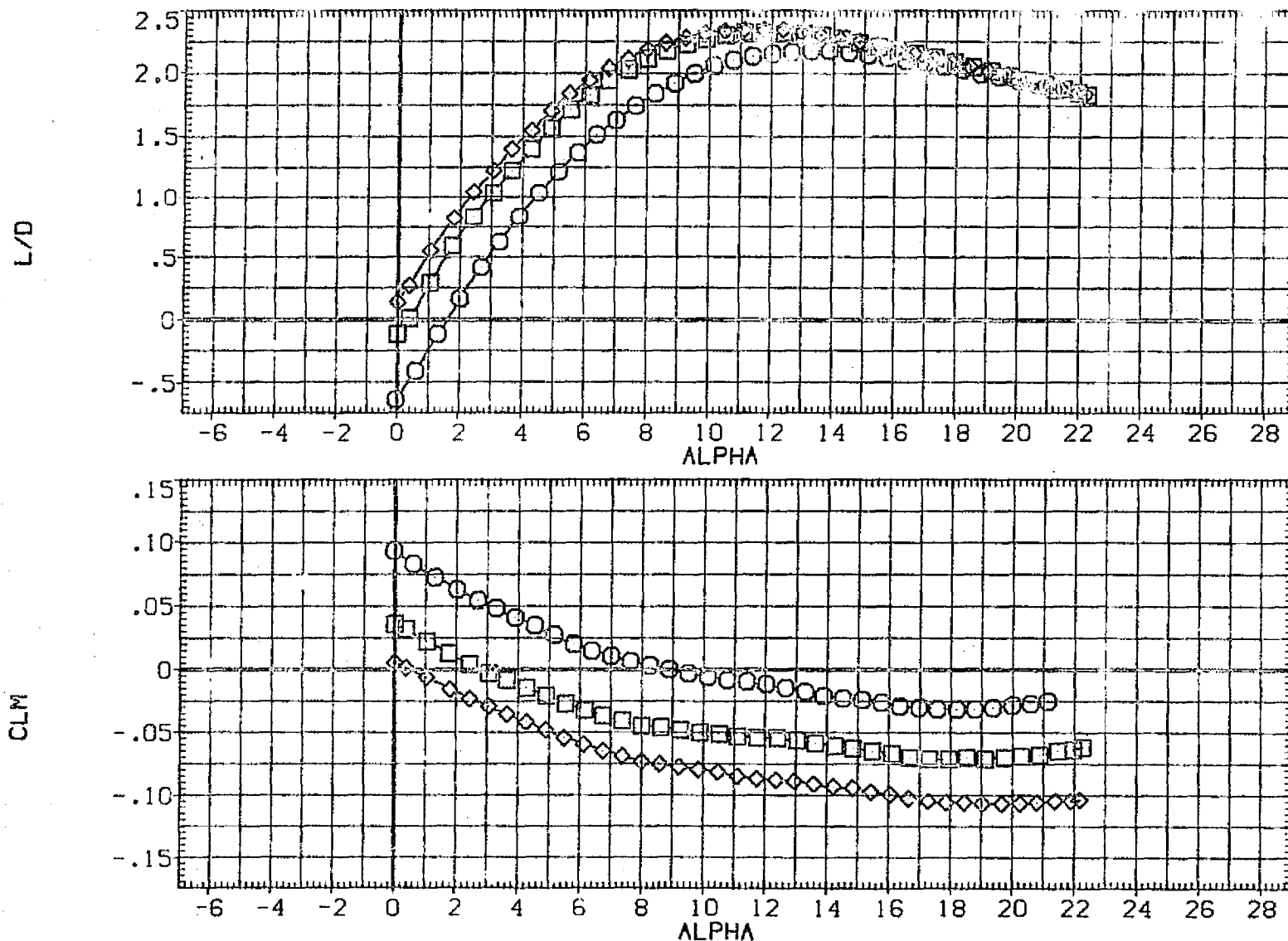


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD022)	LA67 (LTV 552) ORBITER 49-0
(SFD004)	LA67 (LTV 552) ORBITER 49-0
(SFD024)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
10.000	.000	.000	.000	LREF 474.8000 INCHES
10.000	5.000	.000	.000	BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

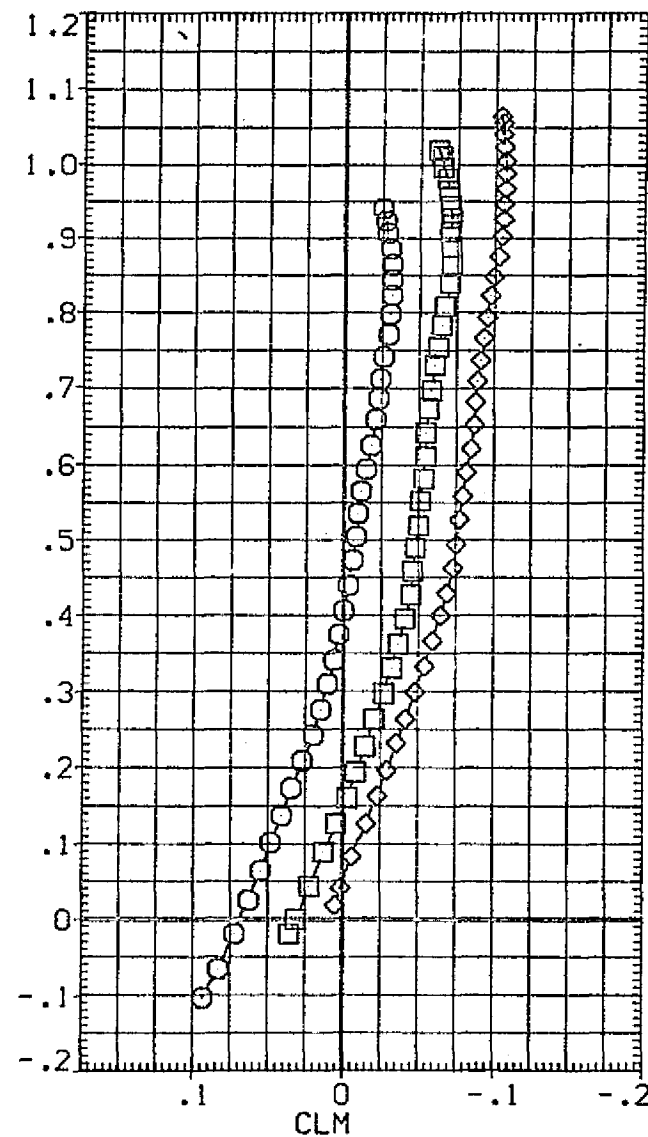
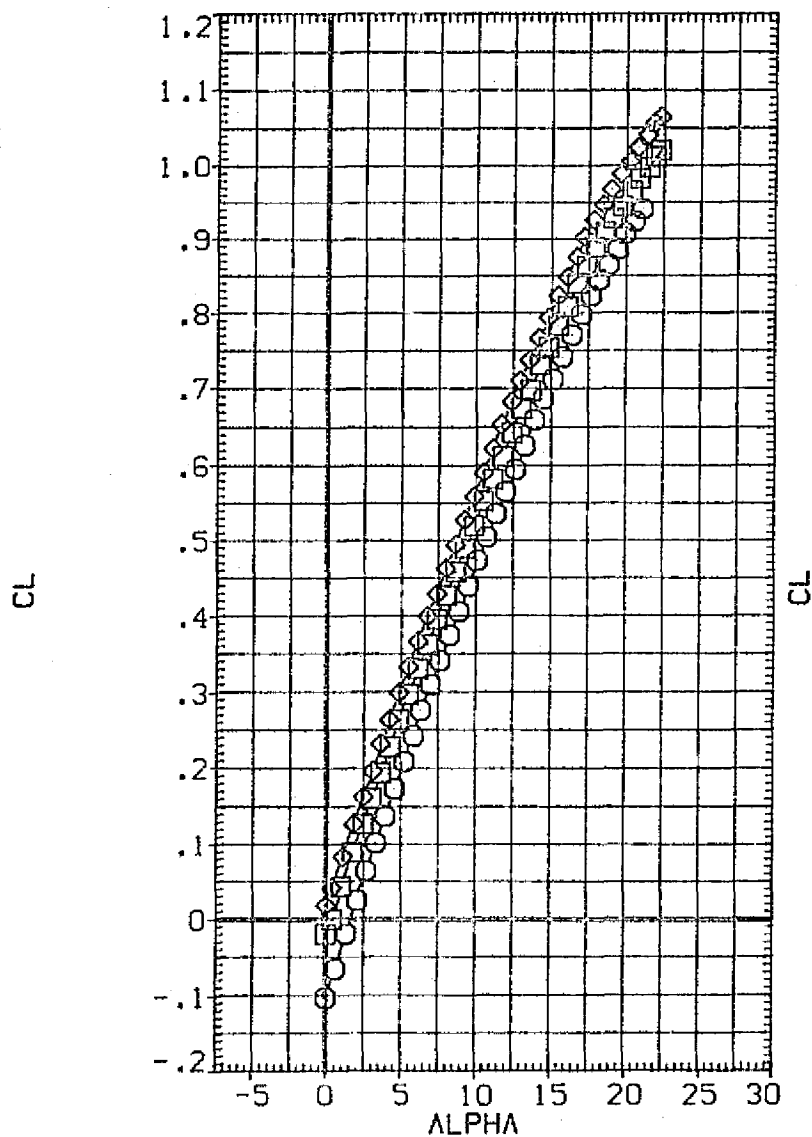


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AF0022)	LA67 (LTV 552)	ORBITER 49-0
(AF0004)	LA67 (LTV 552)	ORBITER 49-0
(AF0024)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
10.000	-10.000	.000	.000	ORFF	2690.0000	50.FT.
10.000	.000	.000	.000	ORLF	474.8000	INCHES
10.000	5.000	.000	.000	ORLF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

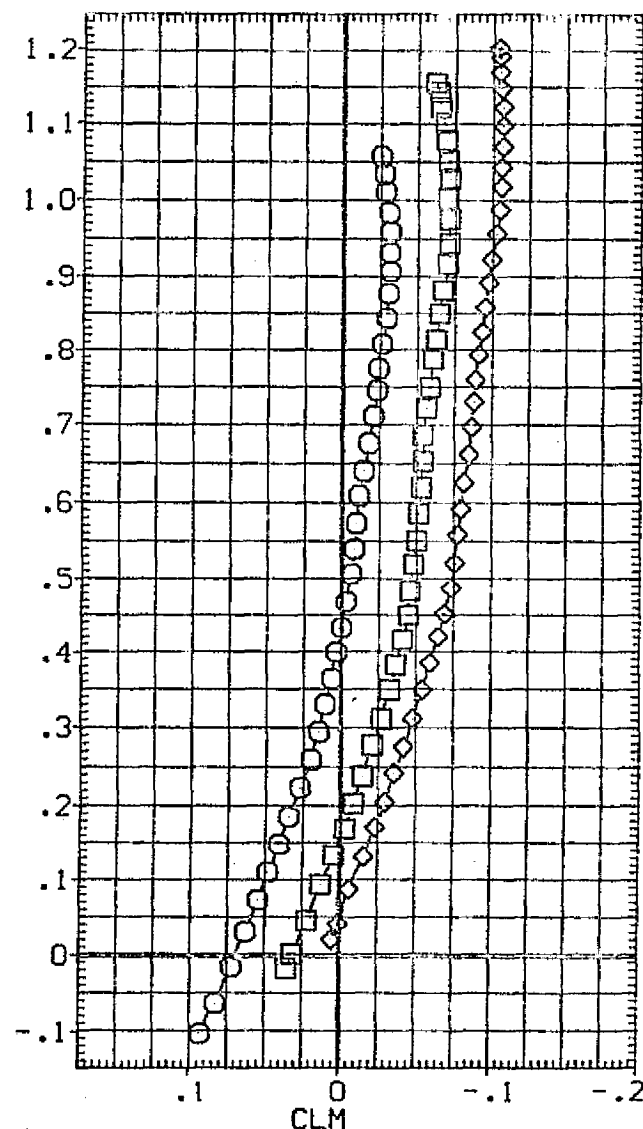
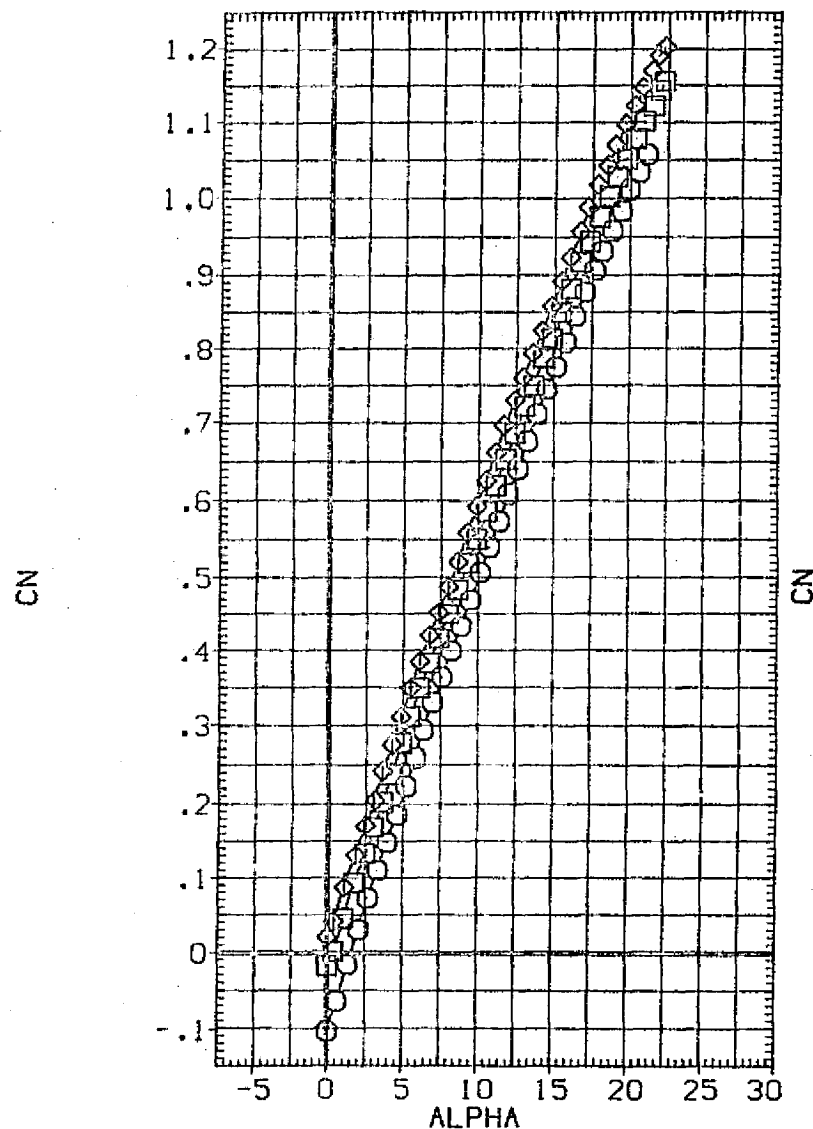


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD022)	LA67 (LTV 552) ORBITER 49-0
(AFD004)	LA67 (LTV 552) ORBITER 49-0
(AFD024)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
10.000	.000	.000	.000	LREF 474.8000 INCHES
10.000	5.000	.000	.000	BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

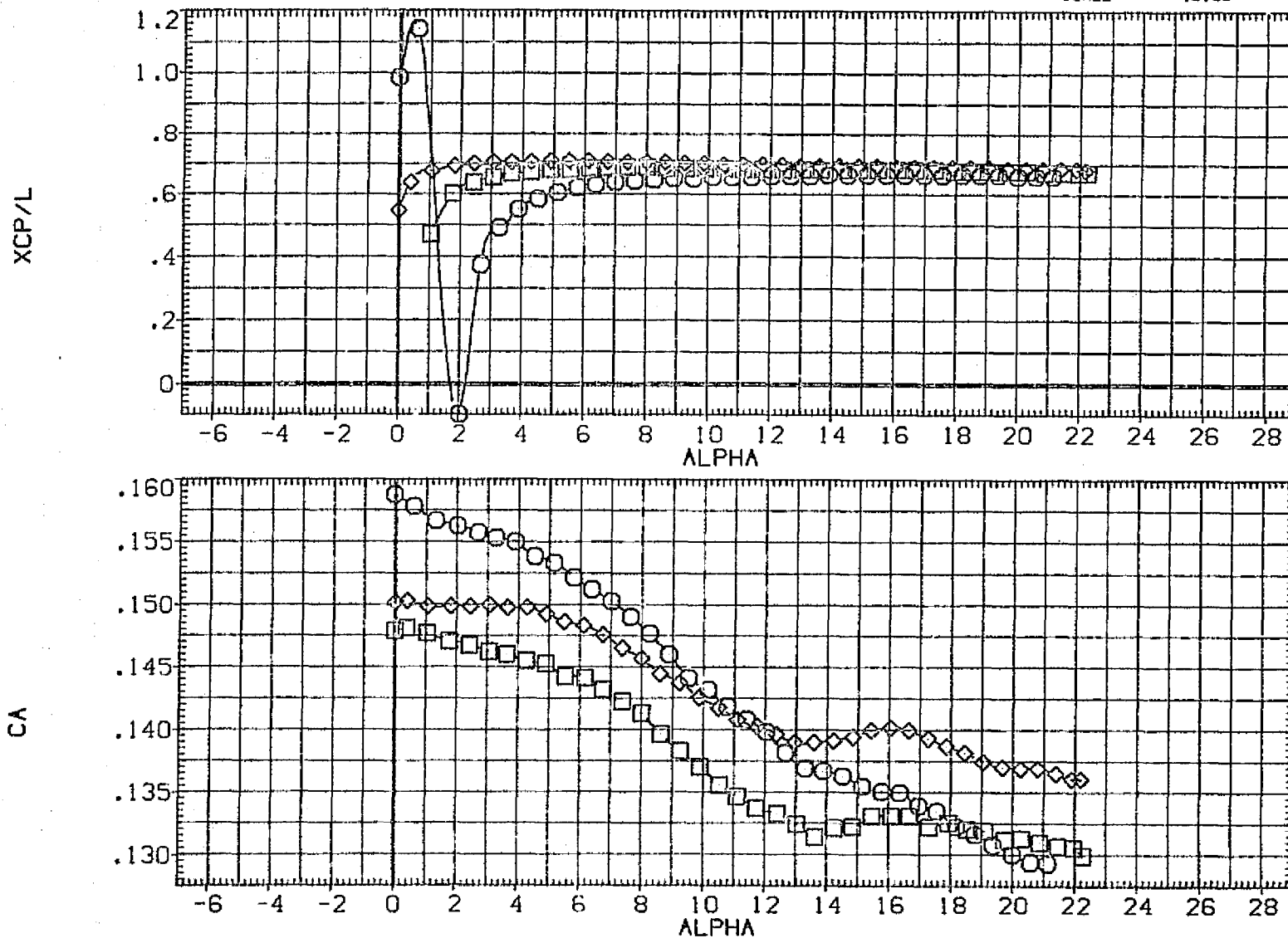


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD022)	LA67 (LTV 552)	ORBITER 49-0
(AFD004)	LA67 (LTV 552)	ORBITER 49-0
(AFD024)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2600.0000 SQ.FT.
10.000	.000	.000	.000	LREF 474.8000 INCHES
10.000	5.000	.000	.000	BREF 936.7000 INCHES
				XMRP 1076.7000 IN. XO
				YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

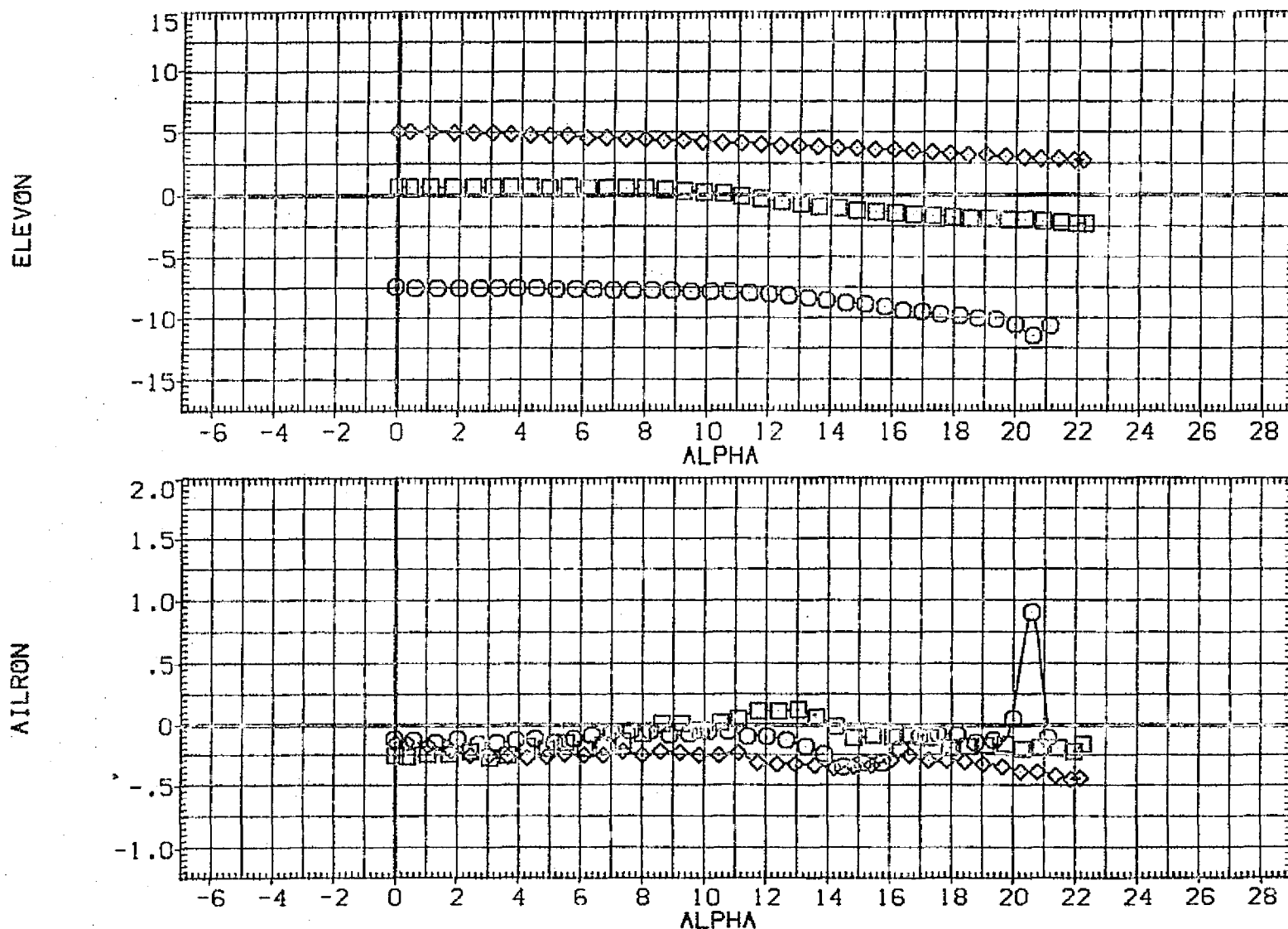


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD039)	LA67 (LTV 552) ORBITER 49-0
(SFD042)	DATA NOT AVAILABLE
(SFD032)	LA67 (LTV 552) ORBITER 49-0
(SFD045)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
8.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
8.000	-5.000	.000	.000	LREF 474.8000 INCHES
8.000	.000	.000	.000	BREF 936.7000 INCHES
8.000	5.000	.000	.000	XMRP 1076.7000 IN. XO
				YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

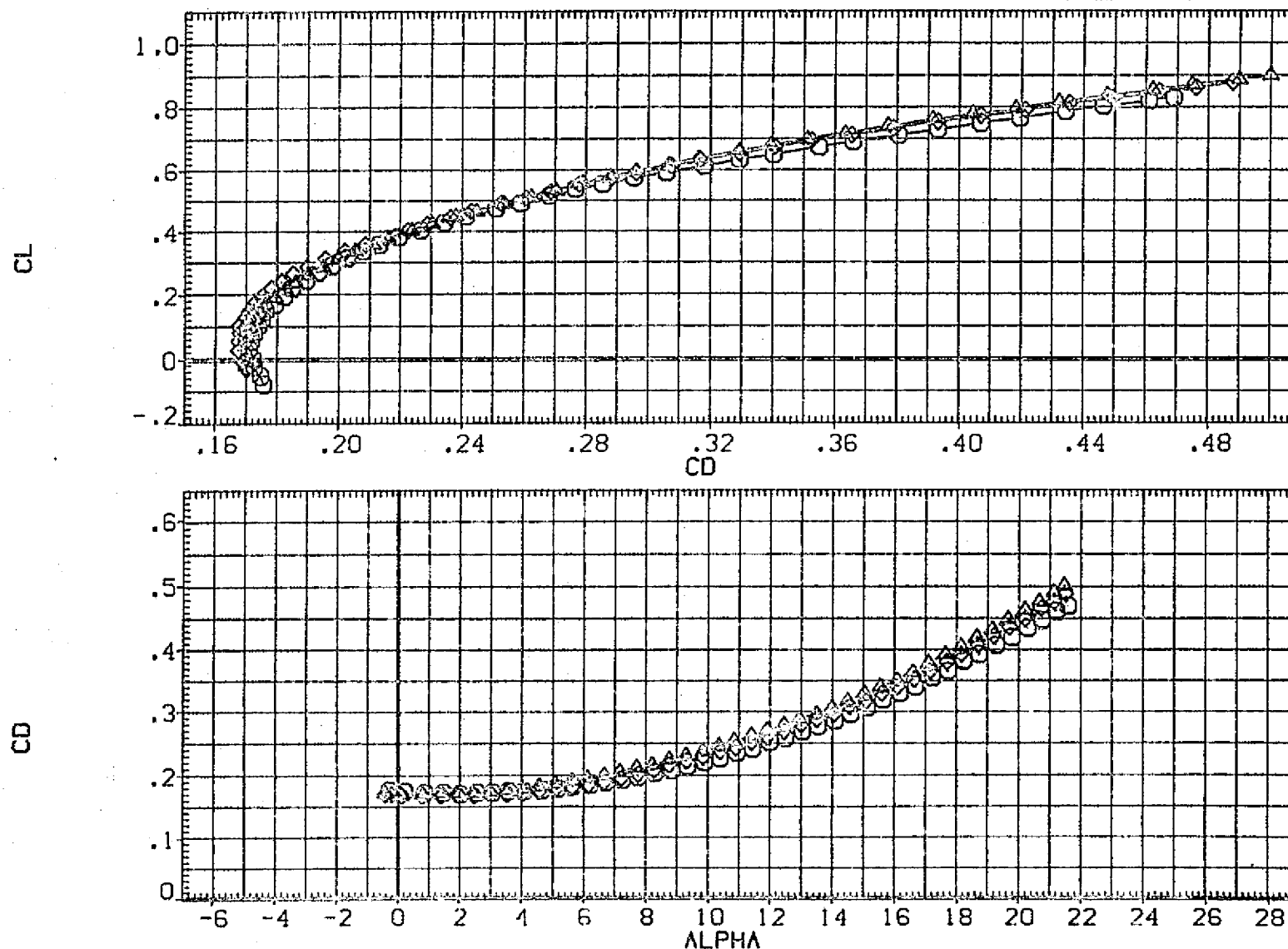


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD039)	LA67 (LTV 552) ORBITER 49-0
(SFD042)	DATA NOT AVAILABLE
(SFD032)	LA67 (LTV 552) ORBITER 49-0
(SFD045)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
8.000	-10.000	.000	.000	SREF 2690.0000 IN. ST.
8.000	-5.000	.000	.000	LREF 474.8000 INCHES
8.000	.000	.000	.000	BREF 936.7000 INCHES
8.000	5.000	.000	.000	XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

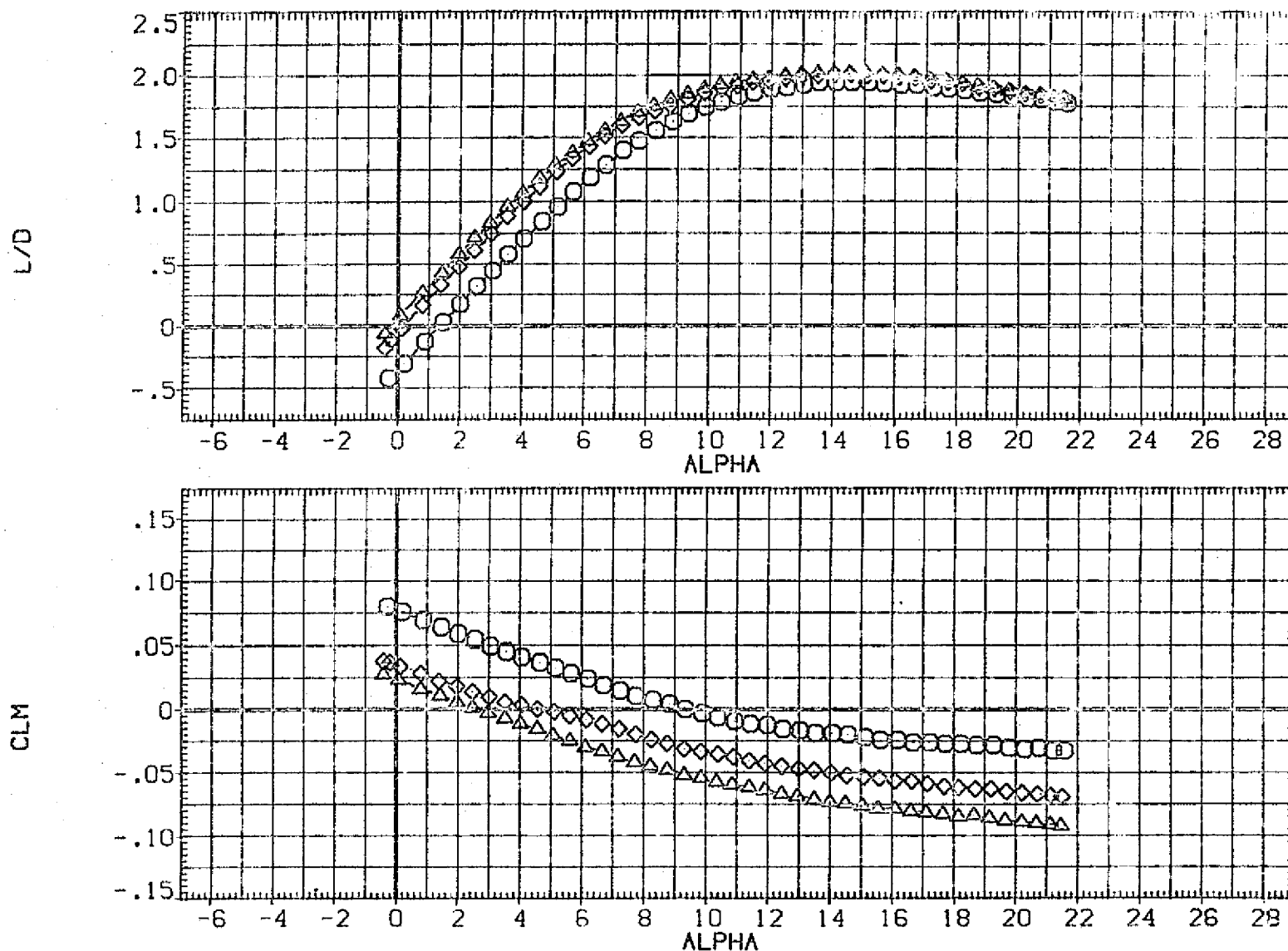


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD039)	LA67 (LTV 552) ORBITER 49-0
(SFD042)	DATA NOT AVAILABLE
(SFD032)	LA67 (LTV 552) ORBITER 49-0
(SFD045)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
8.000	-10.000	.000	.000	SREF	2690.0000	50.FT.
8.000	-9.000	.000	.000	LREF	474.8000	INCHES
8.000	.000	.000	.000	BREF	936.7000	INCHES
8.000	5.000	.000	.000	XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

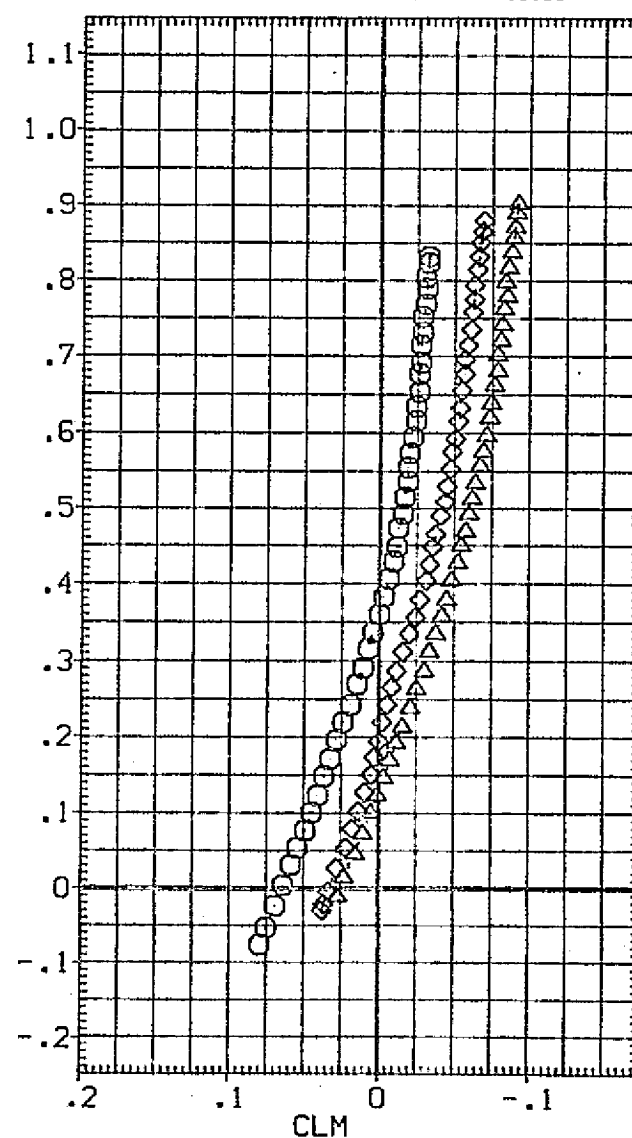
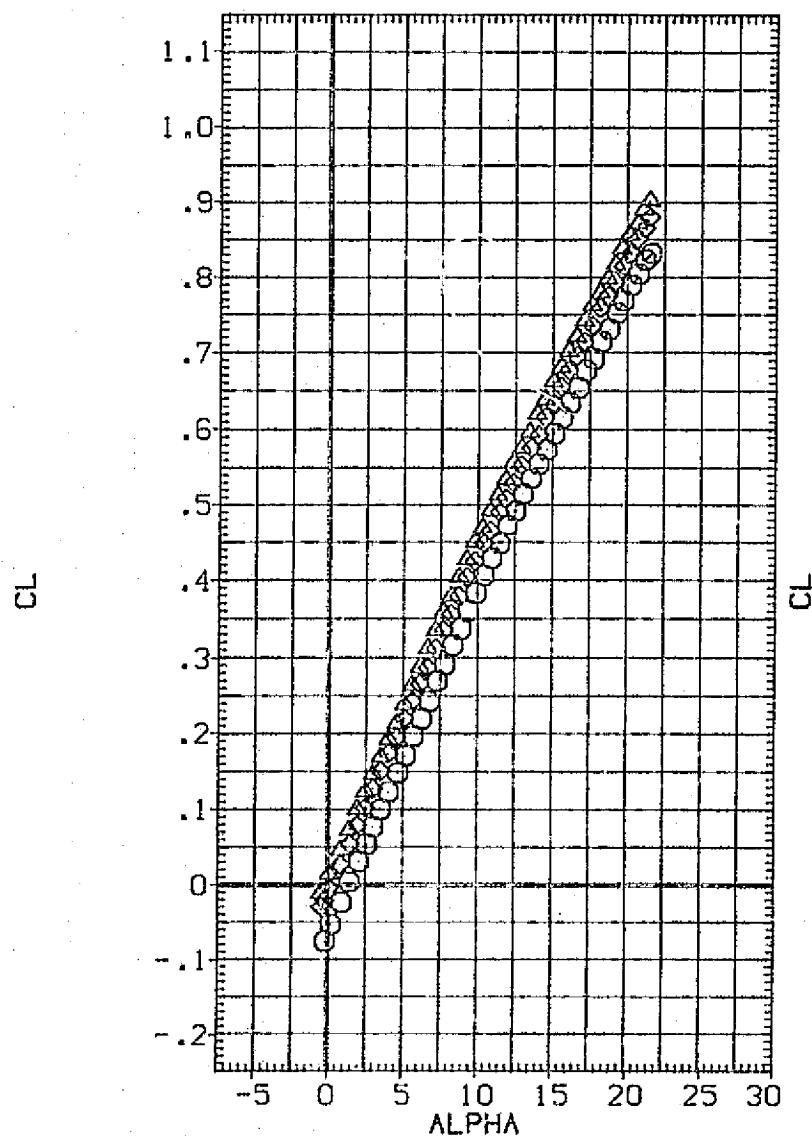


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A) MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(AFD039)	○	LA67 (LTV 552)	ORBITER 49-0
(AFD042)	×	DATA NOT AVAILABLE	
(AFD032)	◇	LA67 (LTV 552)	ORBITER 49-0
(AFD045)	△	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
8.000	-10.000	.000	.000	SREF	3630.0000	50. FT.
8.000	-5.000	.000	.000	LREF	174.8000	INCHES
8.000	.000	.000	.000	BREF	336.7000	INCHES
8.000	5.000	.000	.000	XMRP	1076.7000	IN. YO
				YMRP	.0000	IN. YO
				ZMRP	375.0000	IN. ZO
				SCALE	.0150	

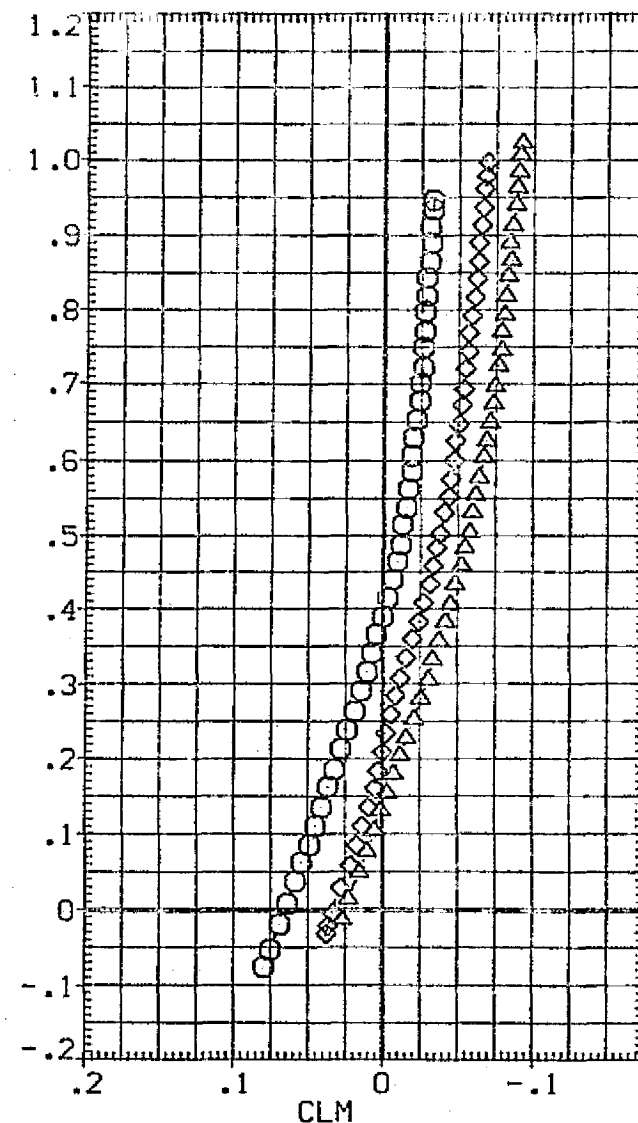
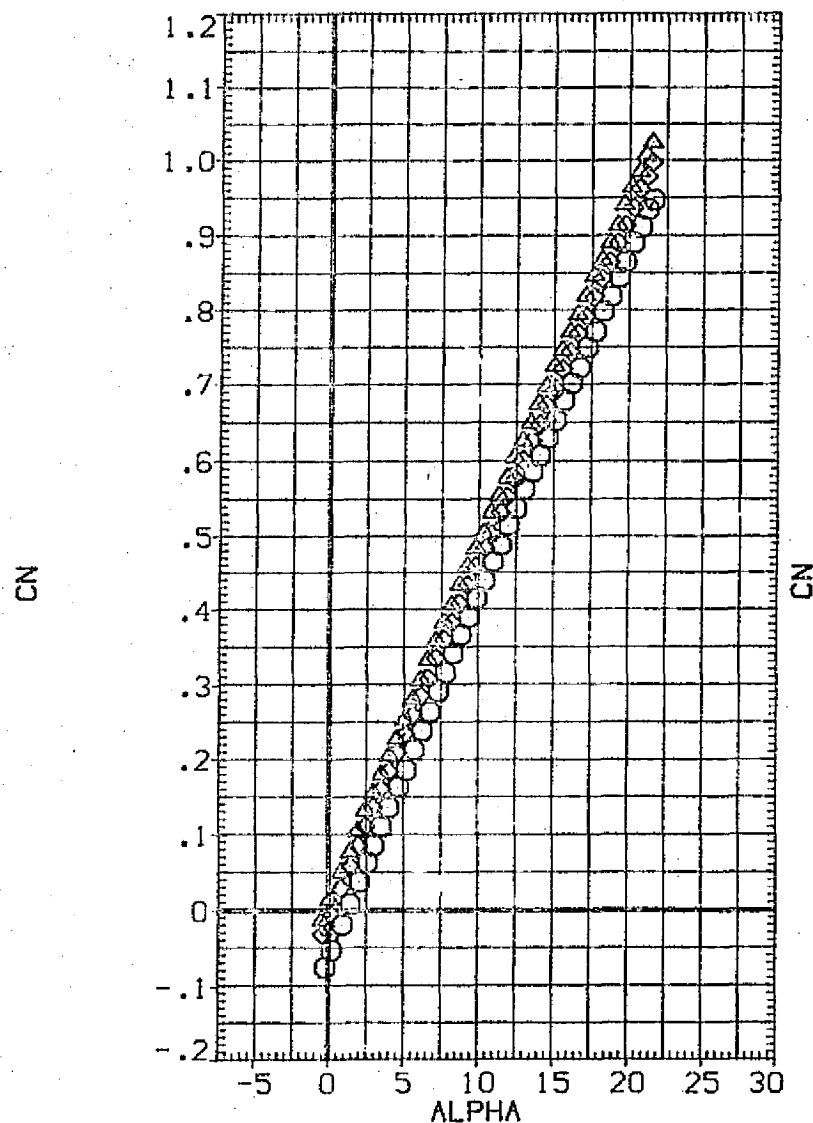


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFDD39)	LA67 (LTV 552) ORBITER 49-0
(AFDD42)	DATA NOT AVAILABLE
(AFDD32)	LA67 (LTV 552) ORBITER 49-0
(AFDD45)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
8.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
8.000	-5.000	.000	.000	LREF 474.8000 INCHES
8.000	.000	.000	.000	BREF 936.7000 INCHES
8.000	5.000	.000	.000	XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

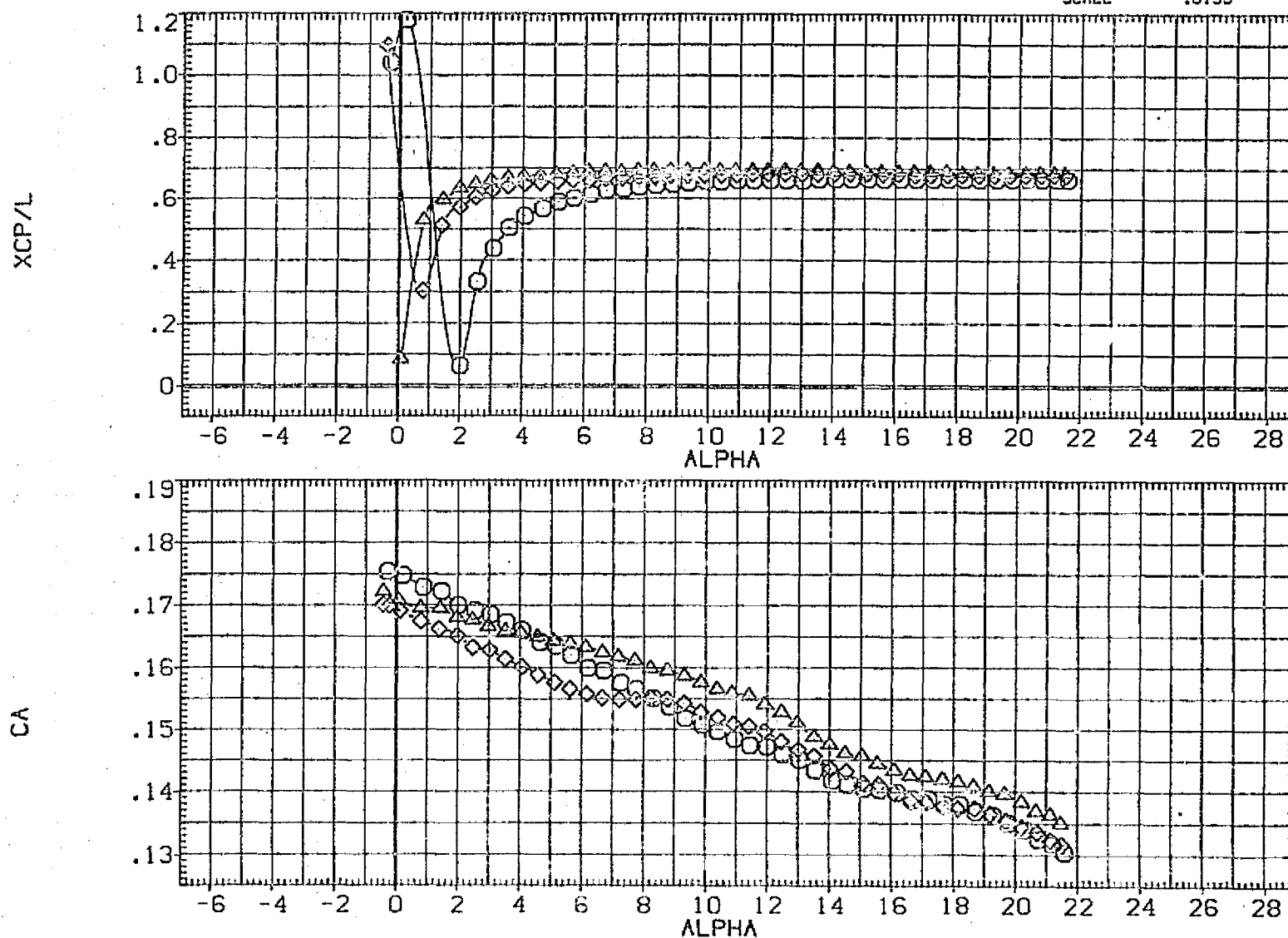


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
 (A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0039)	LAG7 (LTV 552) ORBITER 49-0
(AF0042)	DATA NOT AVAILABLE
(AF0032)	LAG7 (LTV 552) ORBITER 49-0
(AF0045)	LAG7 (LTV 552) ORBITER 49-0

RN/Z	ELEVON	AILRON	BETA	REFERENCE INFORMATION
8.000	-10.000	.000	.000	SREF 2690.0000 SQ. FT.
8.000	-5.000	.000	.000	LEEF 474.0000 INCHES
8.000	.000	.000	.000	BLRF 926.7000 INCHES
8.000	5.000	.000	.000	XMRF 1076.7000 IN. XO
				YMRP .0000 IN. YO
				ZMRP 975.0000 IN. ZO
				SCALE .0150

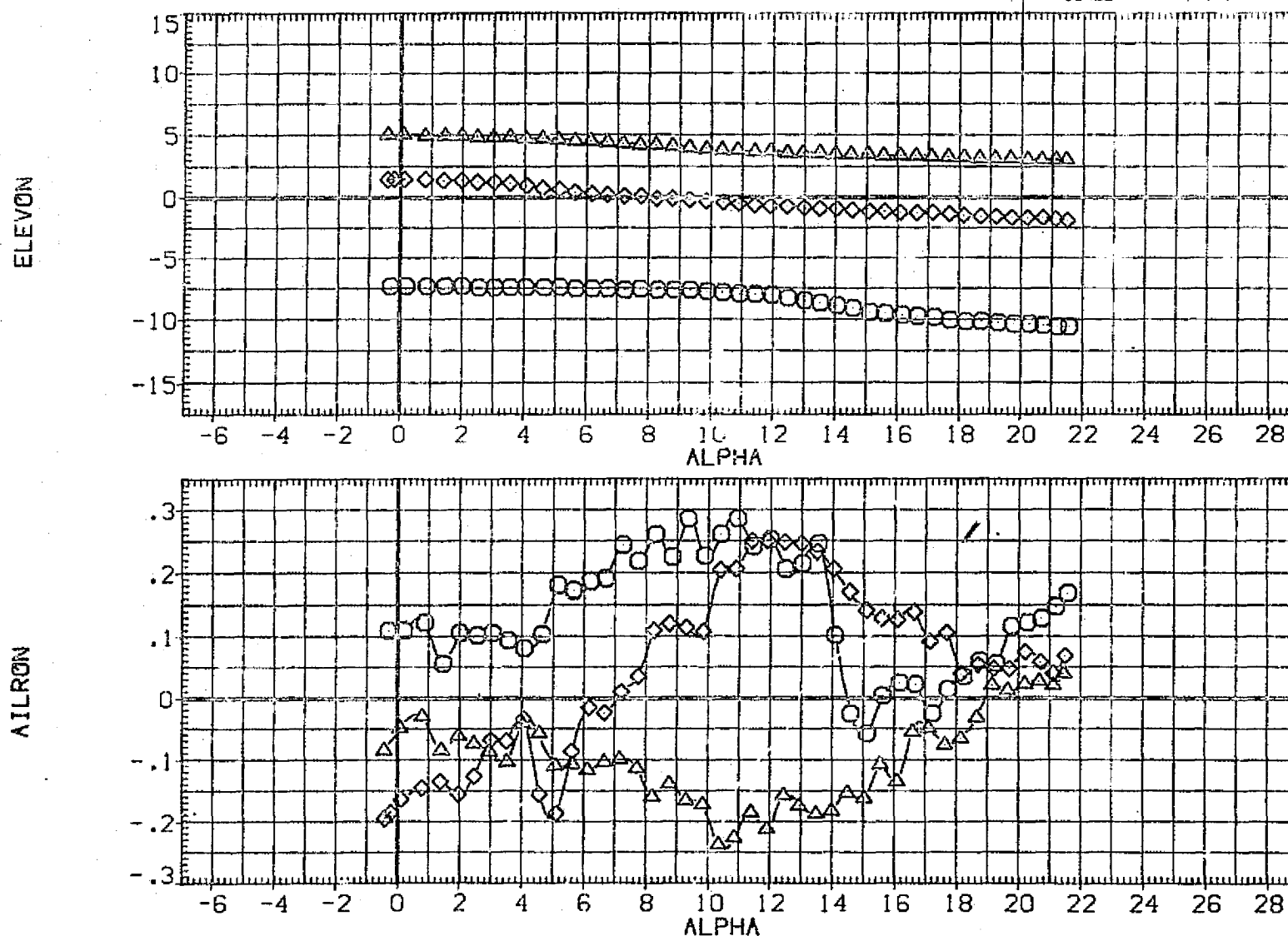


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD039)	LA67 (LTV 552) ORBITER 49-0
(SFD042)	LA67 (LTV 552) ORBITER 49-0
(SFD032)	LA67 (LTV 552) ORBITER 49-0
(SFD045)	LA67 (LTV 532) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
8.000	-10.000	.000	.000	SREF	2690.0000 SQ.FT.
8.000	-5.000	.000	.000	LREF	474.8000 INCHES
8.000	.000	.000	.000	BREF	936.7000 INCHES
8.000	5.000	.000	.000	XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

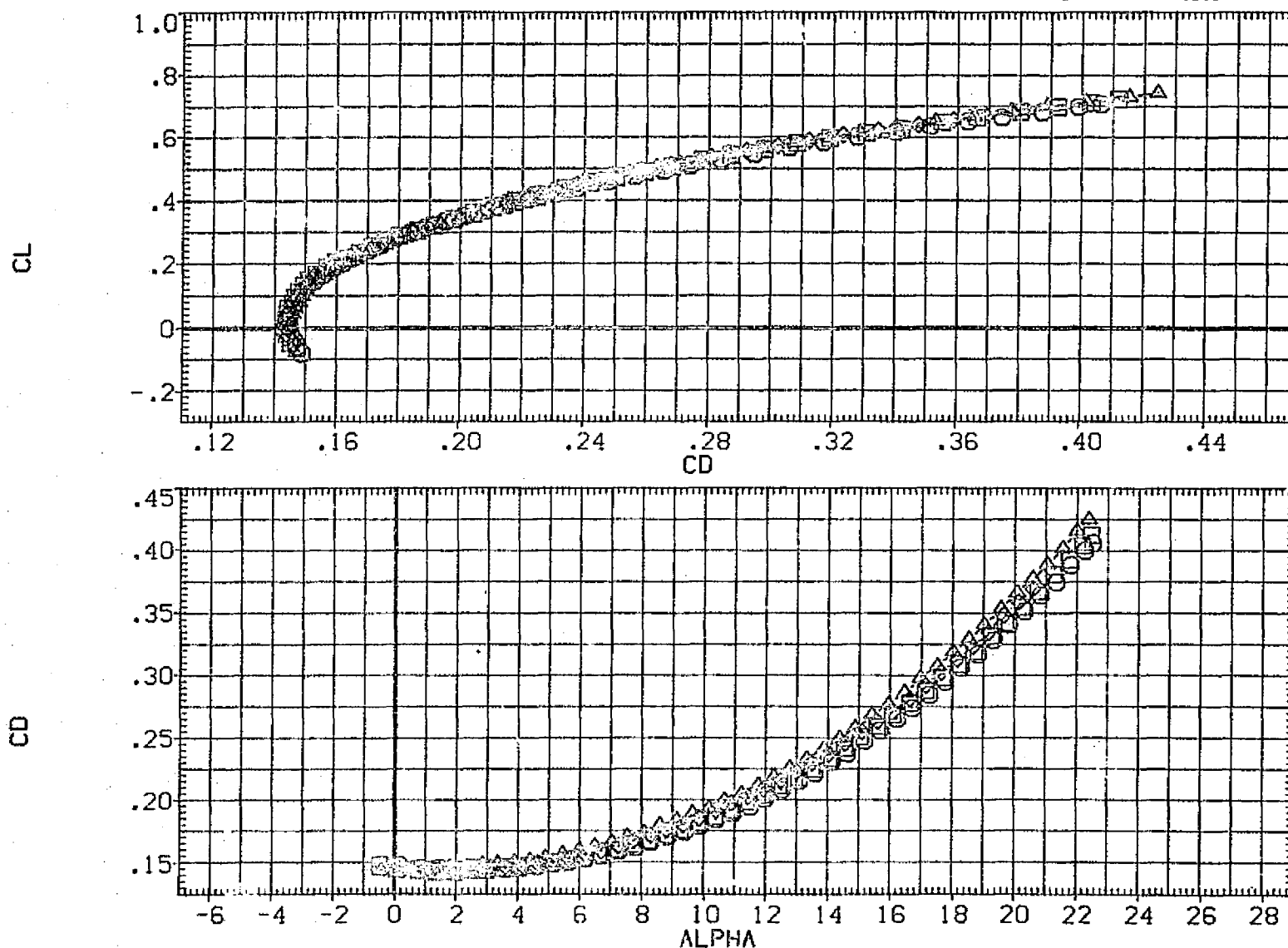


FIG. 9 · ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(SFD039)	LA67 (LTV 552)	ORBITER 49-0
(SFD042)	LA67 (LTV 552)	ORBITER 49-0
(SFD032)	LA67 (LTV 552)	ORBITER 49-0
(SFD045)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	ATTACH	SETA	REFERENCE INFORMATION
8.000	-10.000	.000	.000	SREF 2690.0000 IN. FT.
8.000	-5.000	.000	.000	LREF 474.8000 INCHES
8.000	.000	.000	.000	SRFP 936.7000 INCHES
8.000	5.000	.000	.000	XMRF 1076.7000 IN. X0
				YMRF .0000 IN. Y0
				ZMRF 375.0000 IN. Z0
				SCALE .0150

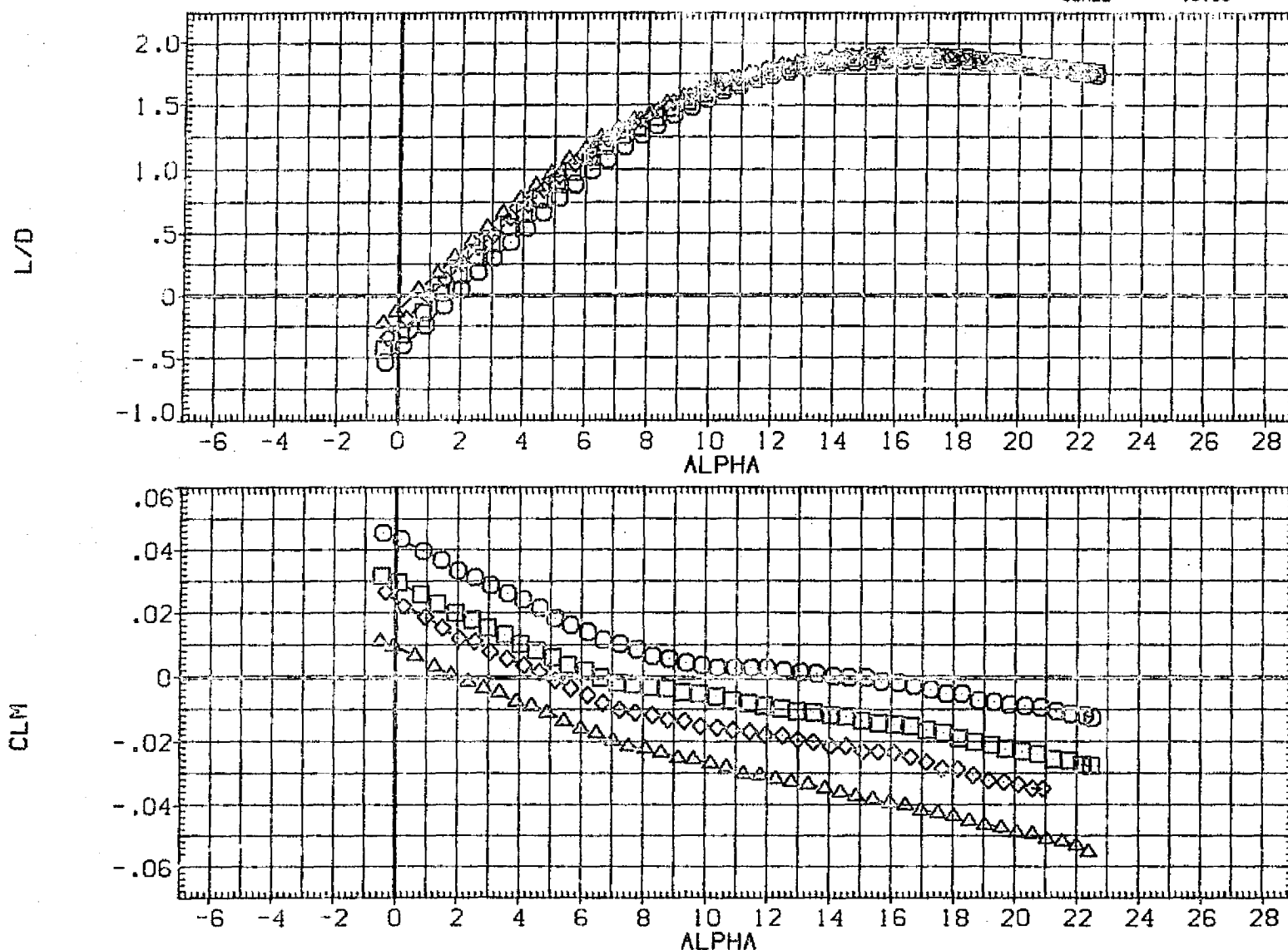


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(SFD039)	○	LA67 (LTV 552)	ORBITER 49-0
(SFD042)	□	LA67 (LTV 552)	ORBITER 49-0
(SFD032)	◇	LA67 (LTV 552)	ORBITER 49-0
(SFD045)	△	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
8.000	-10.000	.000	.000	SREF	2690.0000	SQ.FT.
8.000	-5.000	.000	.000	LREF	474.8000	INCHES
8.000	.000	.000	.000	BREF	936.7000	INCHES
8.000	5.000	.000	.000	XMRP	1076.7000	IN. XO
				YMRP	.0000	IN. YO
				ZMRP	375.0000	IN. ZO
				SCALE	.0150	

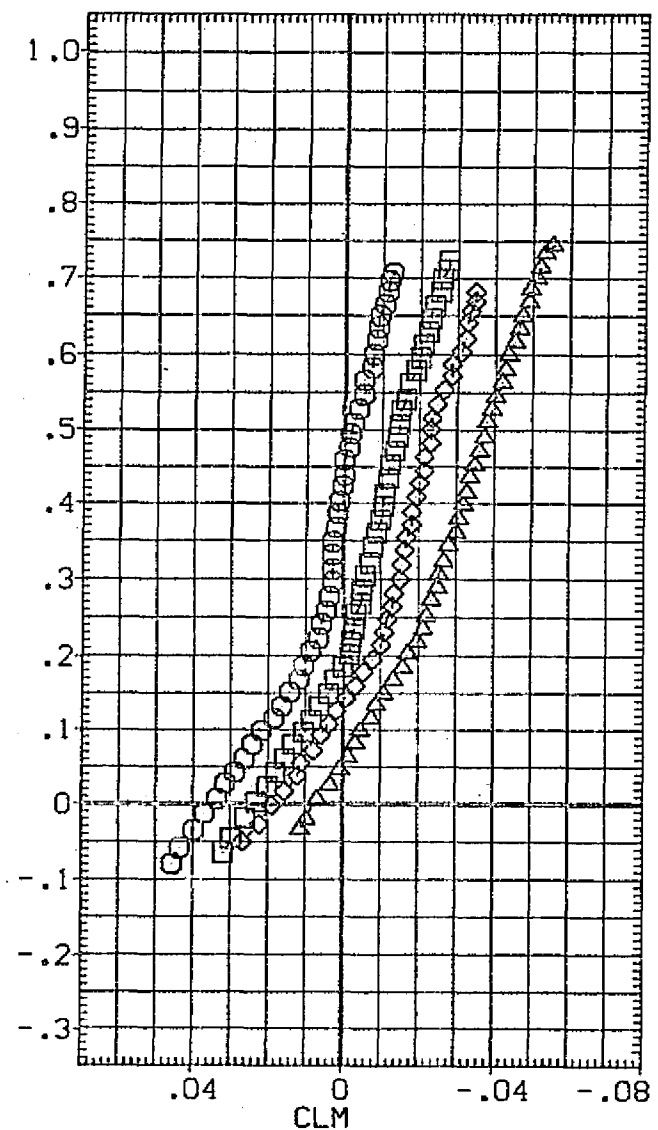
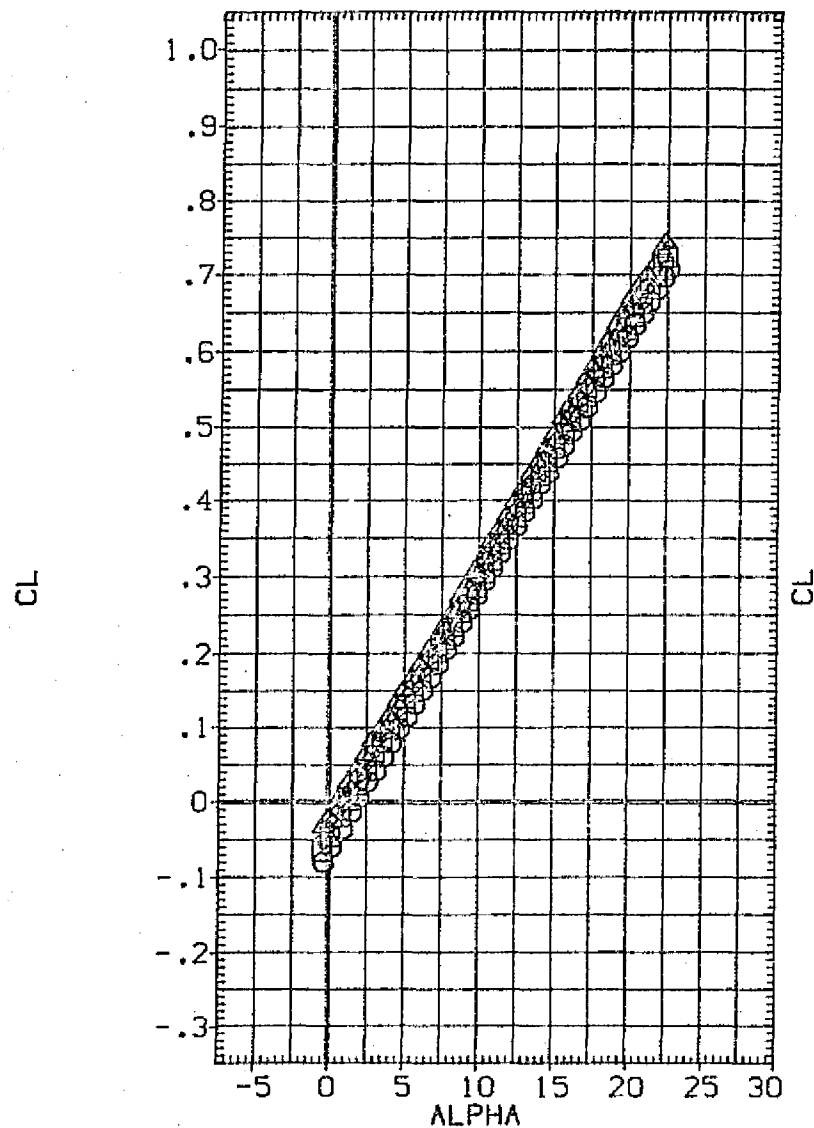


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD039) ○	LA67 (LTV 552) ORBITER 49-0
(AFD042) □	LA67 (LTV 552) ORBITER 49-0
(AFD032) ◇	LA57 (LTV 552) ORBITER 49-0
(AFD045) △	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
8.000	-10.000	.000	.000	BREF	1690.0000 SQ.FT.
8.000	-5.000	.000	.000	LREF	474.8000 INCHES
8.000	.000	.000	.000	BREF	936.7000 INCHES
8.000	5.000	.000	.000	XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

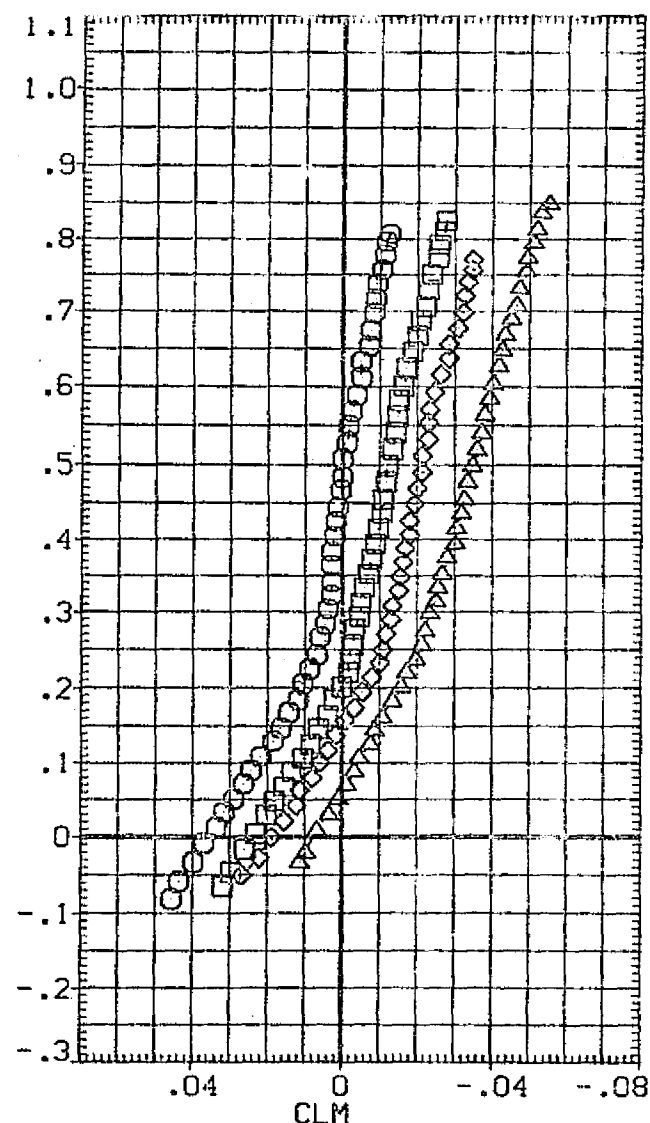
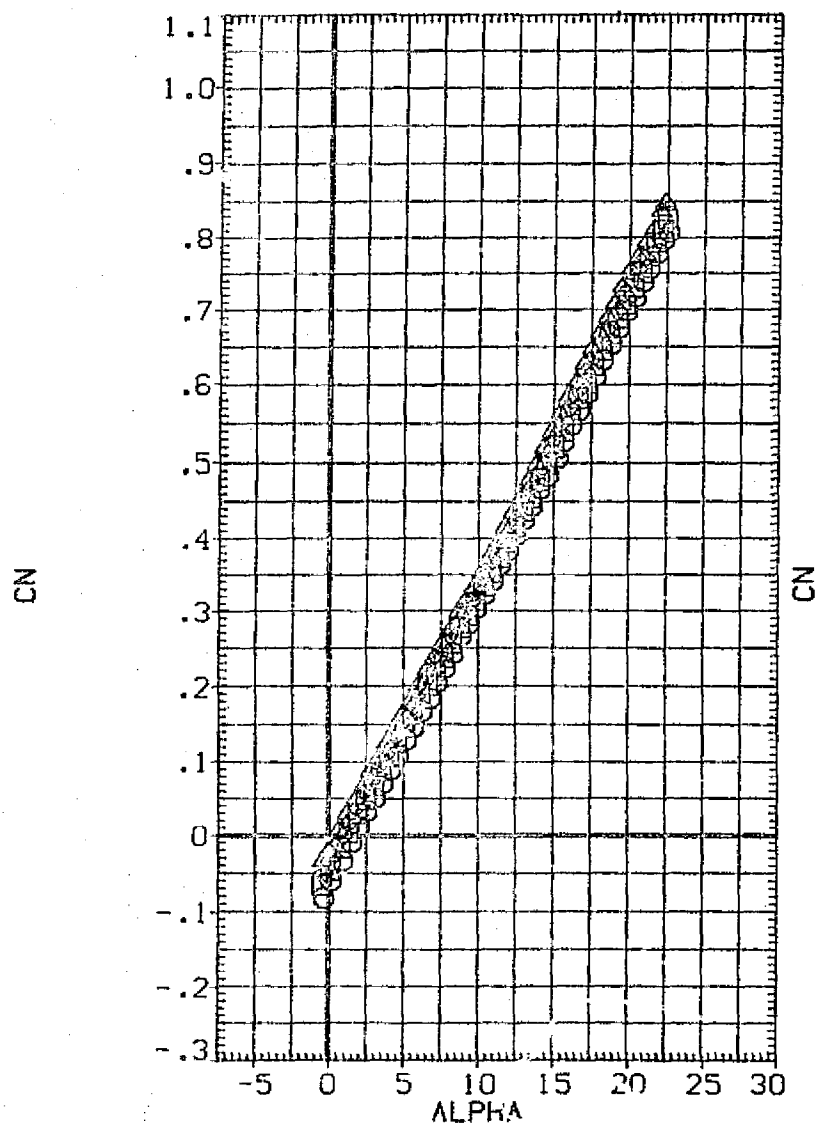


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD039) \square	LA67 (LTV 552) ORBITER 49-0
(AFD042) \square	LA67 (LTV 552) ORBITER 49-0
(AFD032) \square	LA67 (LTV 552) ORBITER 49-0
(AFD045) Δ	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
8.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
8.000	-5.000	.000	.000	LREF 474.8000 INCHES
8.000	.000	.000	.000	BREF 936.7000 INCHES
8.000	5.000	.000	.000	XMRP 1076.7000 IN. XO
				YMRP .0000 IN. YO
				ZMRP 375.0000 IN. ZO
				SCALE .0150

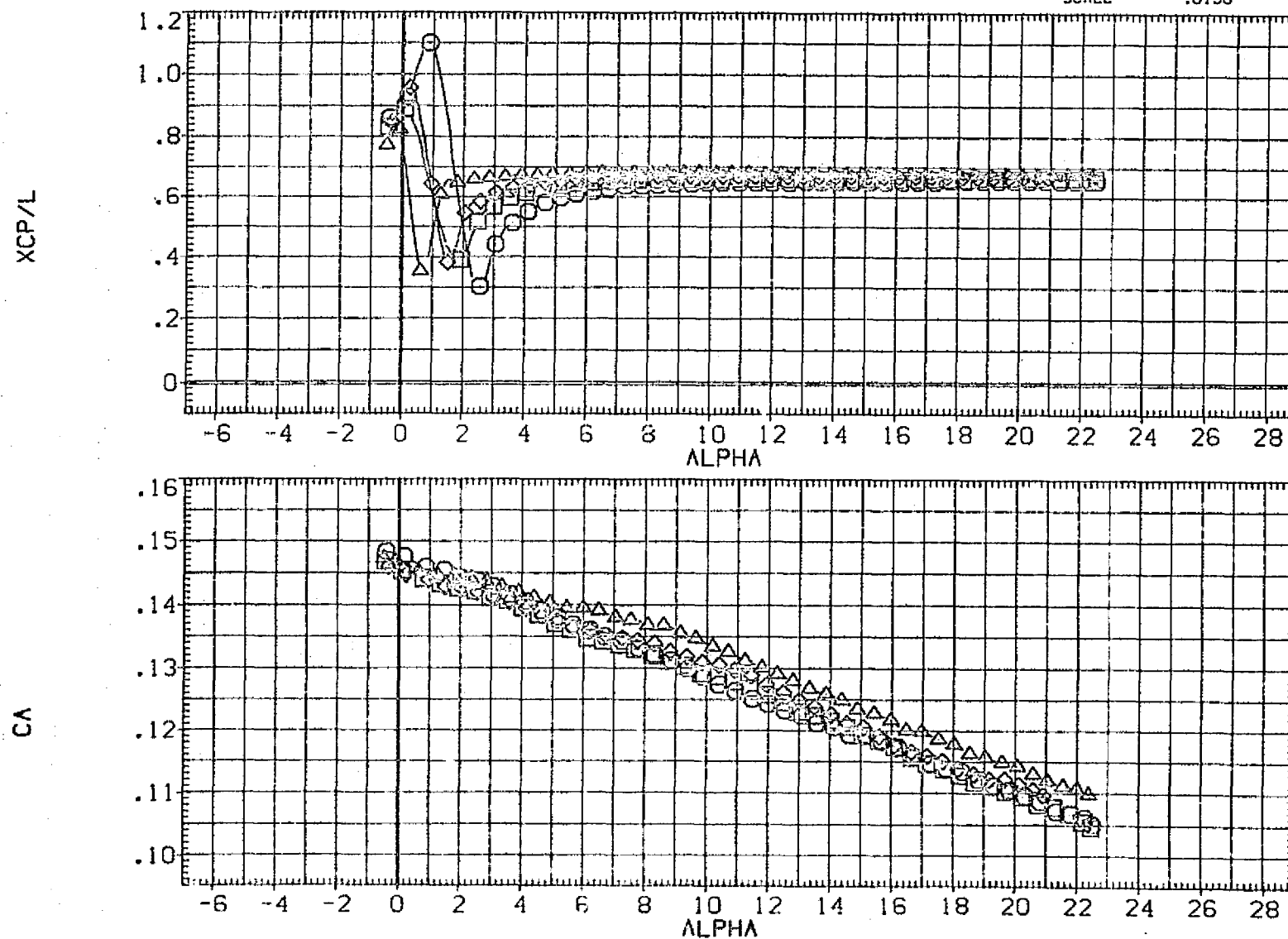


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD039)	LA67 (LTV 552)	ORBITER 49-0
(AFD042)	LA67 (LTV 552)	ORBITER 49-0
(AFD032)	LA67 (LTV 552)	ORBITER 49-0
(AFD045)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
8.000	-10.000	.000	.000	PRE 2690.000 SQ.FT.
8.000	-5.000	.000	.000	LREF 474.6000 INCHES
8.000	.000	.000	.000	OREF 936.7000 INCHES
8.000	5.000	.000	.000	XMRP 1070.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

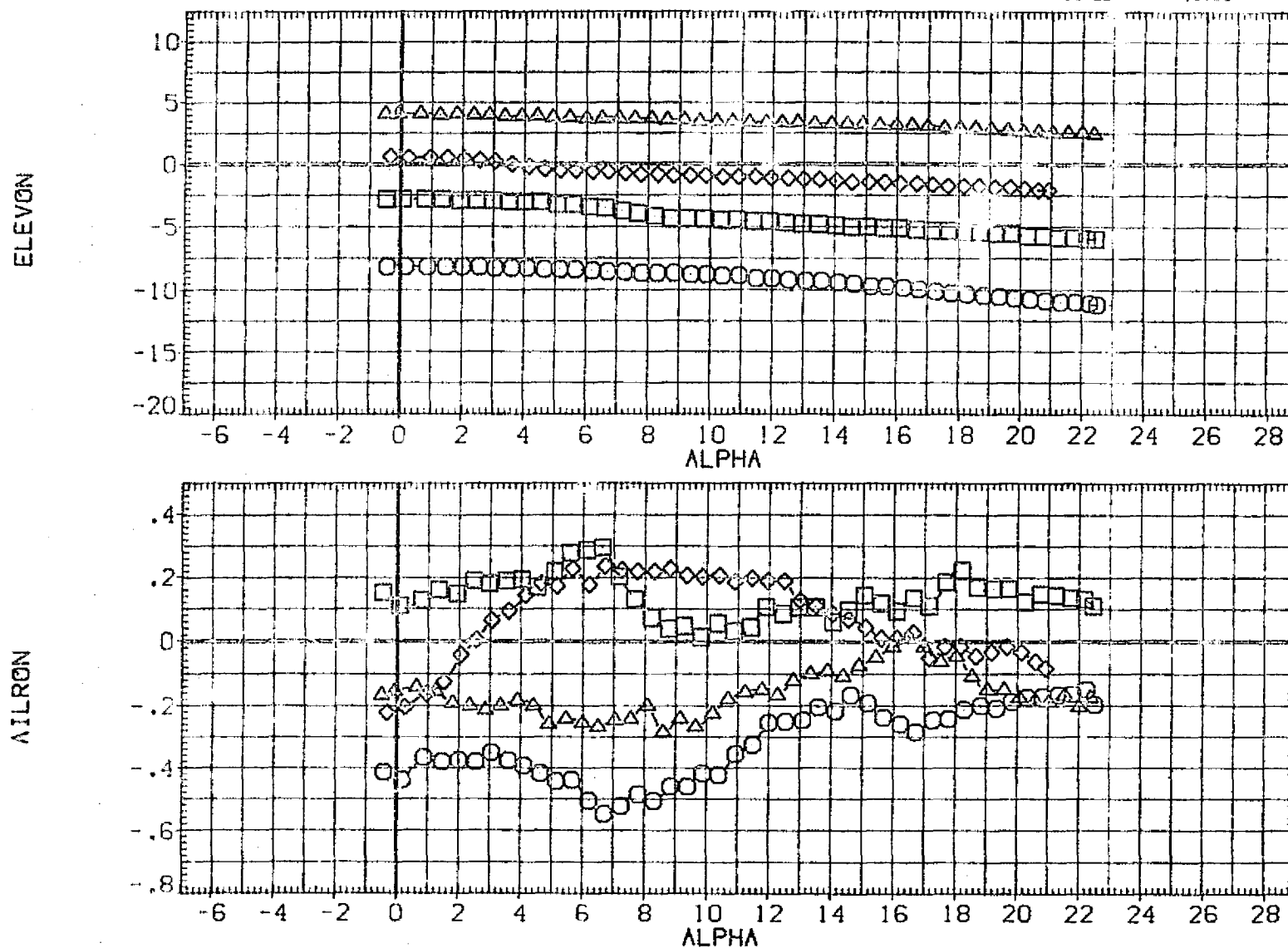


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD040)	LAG7 (LTV 552) ORBITER 49-0
(SFD043)	LAG7 (LTV 552) ORBITER 49-0
(SFD033)	LAG7 (LTV 552) ORBITER 49-0
(SFD046)	LAG7 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ. FT.
10.000	-5.000	.000	.000	LREF 474.8000 INCHES
10.000	.000	.000	.000	BREF 936.7000 INCHES
10.000	5.000	.000	.000	XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

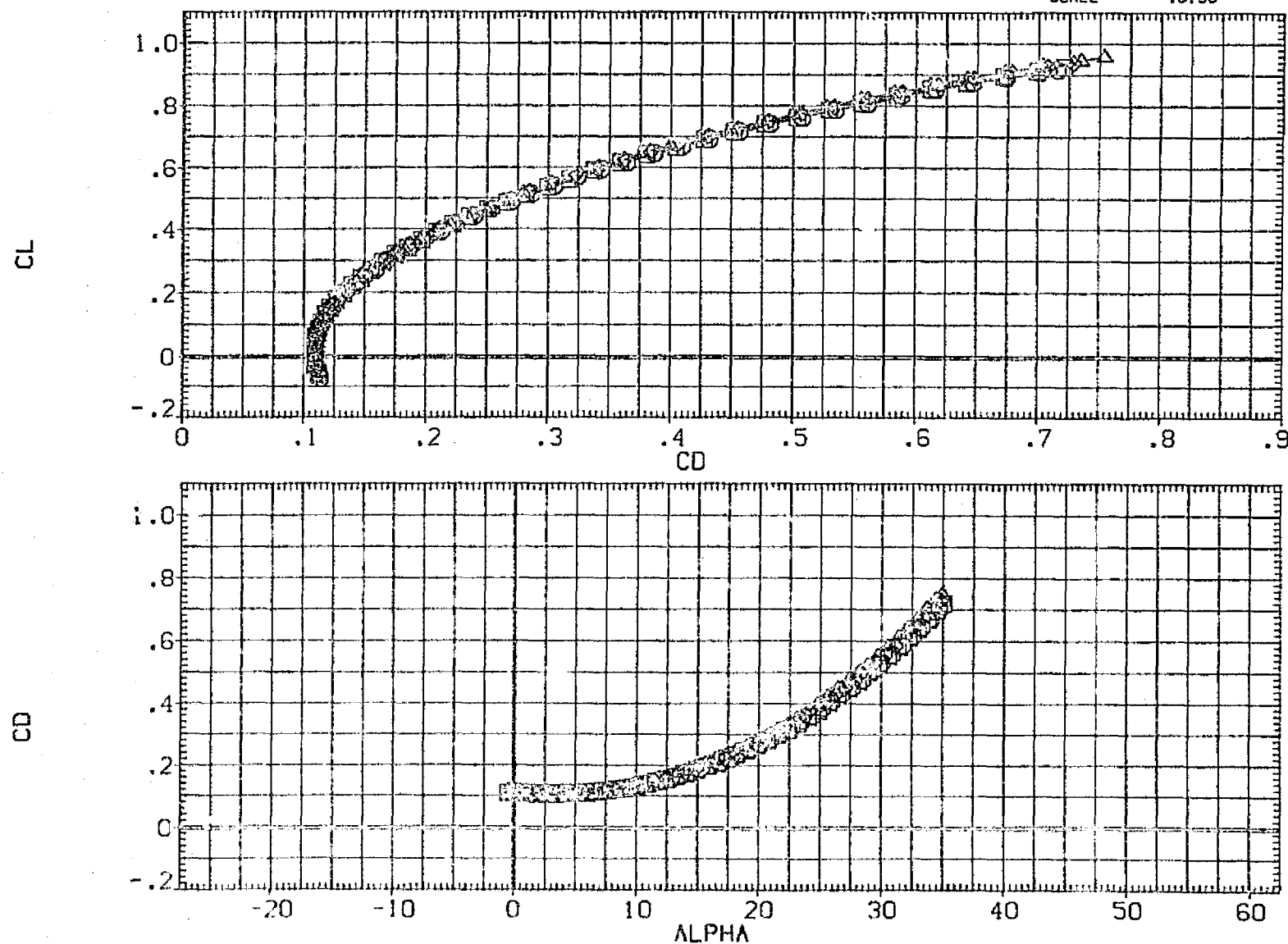


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 2.99

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0040)	LA67 (LTV 552) ORBITER 49-0
(SF0043)	LA67 (LTV 552) ORBITER 49-0
(SF0033)	LA67 (LTV 552) ORBITER 49-0
(SF0016)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
10.000	-5.000	.000	.000	LREF 474.9000 INCHES
10.000	.000	.000	.000	BREF 936.7000 INCHES
10.000	5.000	.000	.000	XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

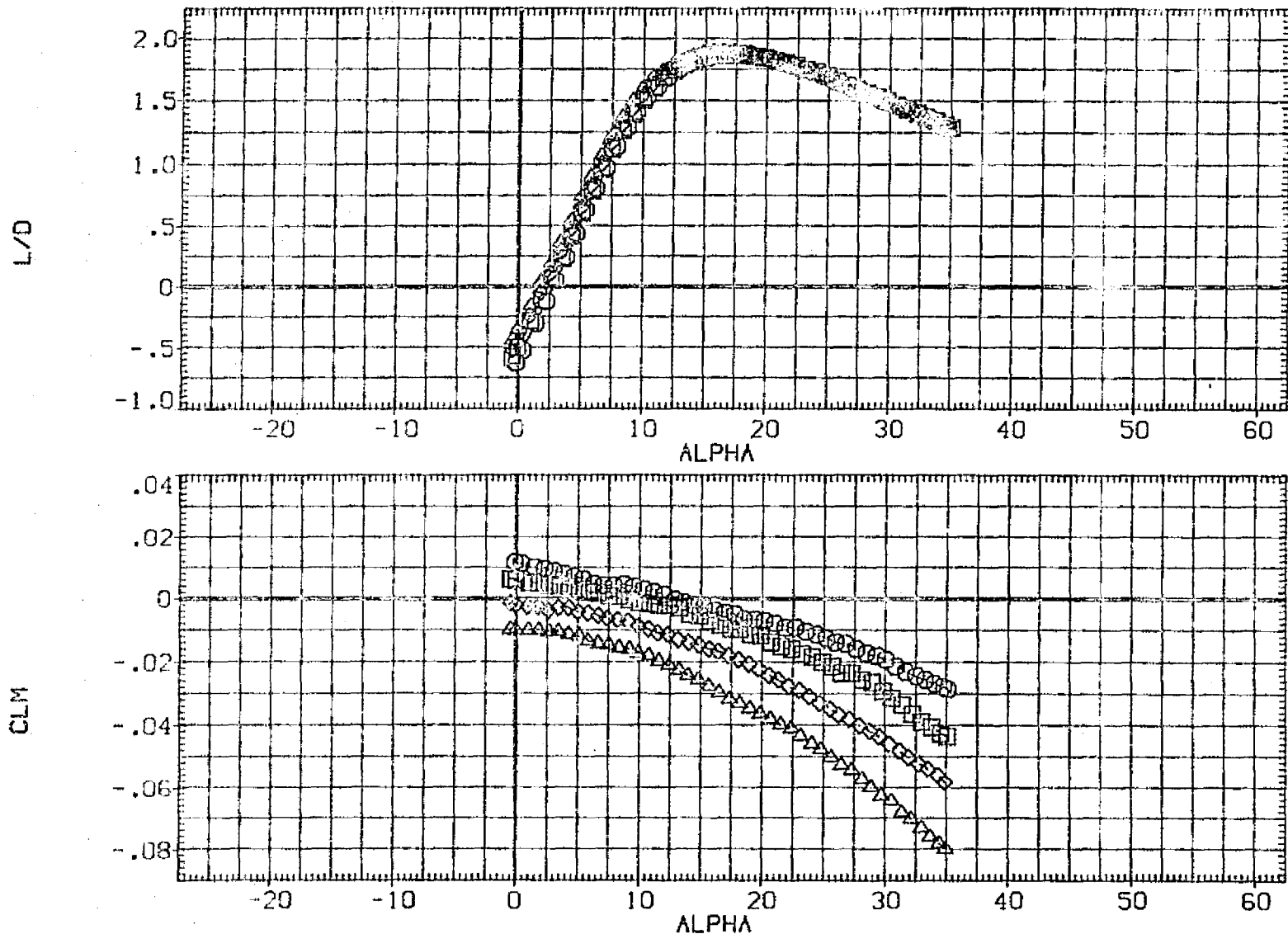


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = 2.99

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(SFD040)	LA67 (LTV 552)	ORBITER 49-0
(SFD043)	LA67 (LTV 552)	ORBITER 49-0
(SFD033)	LA67 (LTV 552)	ORBITER 49-0
(SFD046)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
10.000	-10.000	.000	.000	SREF	2690.0000	50. FT.
10.000	-5.000	.000	.000	LREF	474.8000	INCHES
10.000	.000	.000	.000	BREF	936.7000	INCHES
10.000	5.000	.000	.000	XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

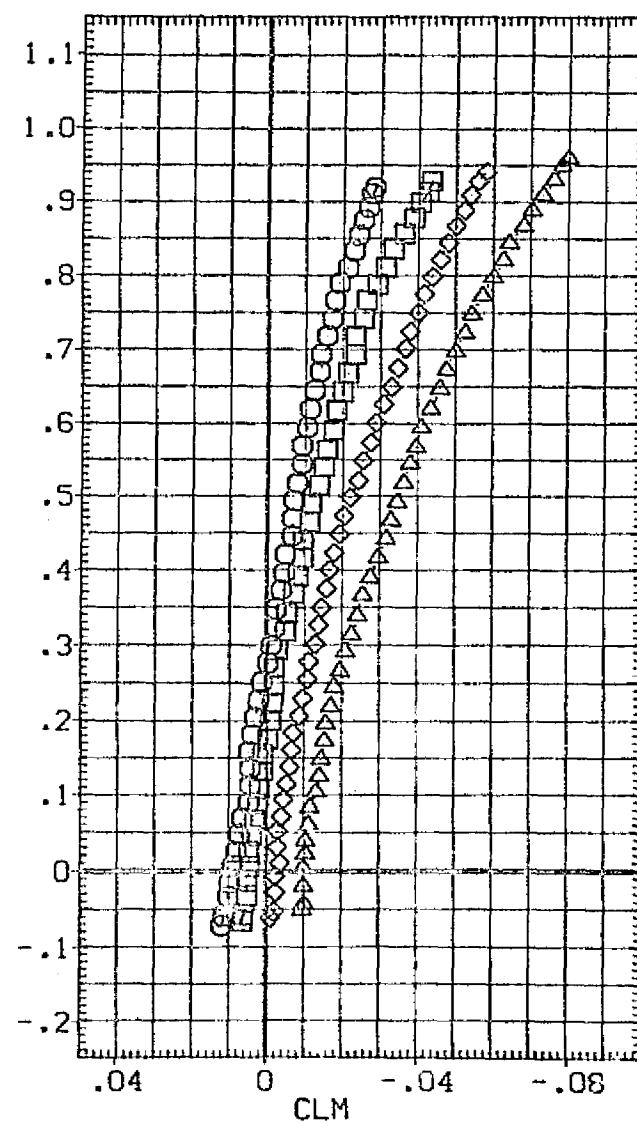
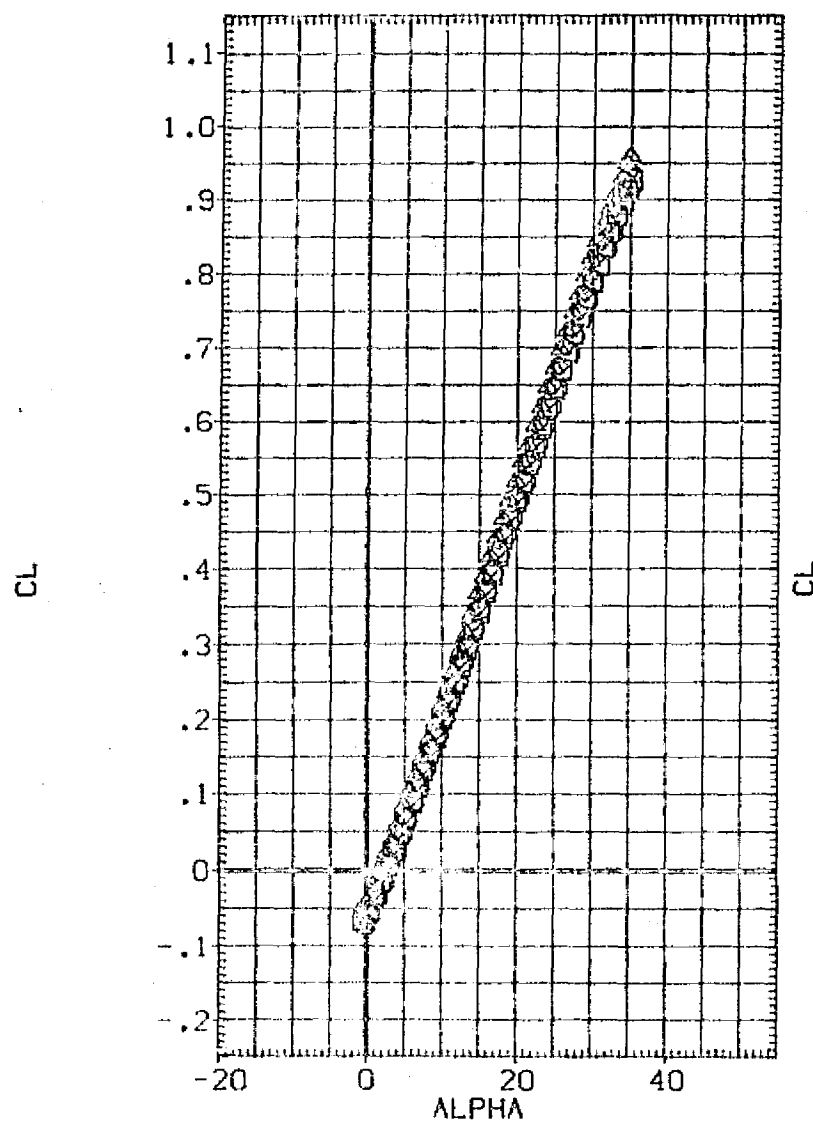


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 2.99

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD040)	LA67 (LTV 552) ORBITER 49-0
(AFD043)	LA67 (LTV 552) ORBITER 49-0
(AFD033)	LA67 (LTV 552) ORBITER 49-0
(AFD046)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 90.FT.
10.000	-5.000	.000	.000	LREF 474.8000 INCHES
10.000	.000	.000	.000	BREF 936.7000 INCHES
10.000	5.000	.000	.000	XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

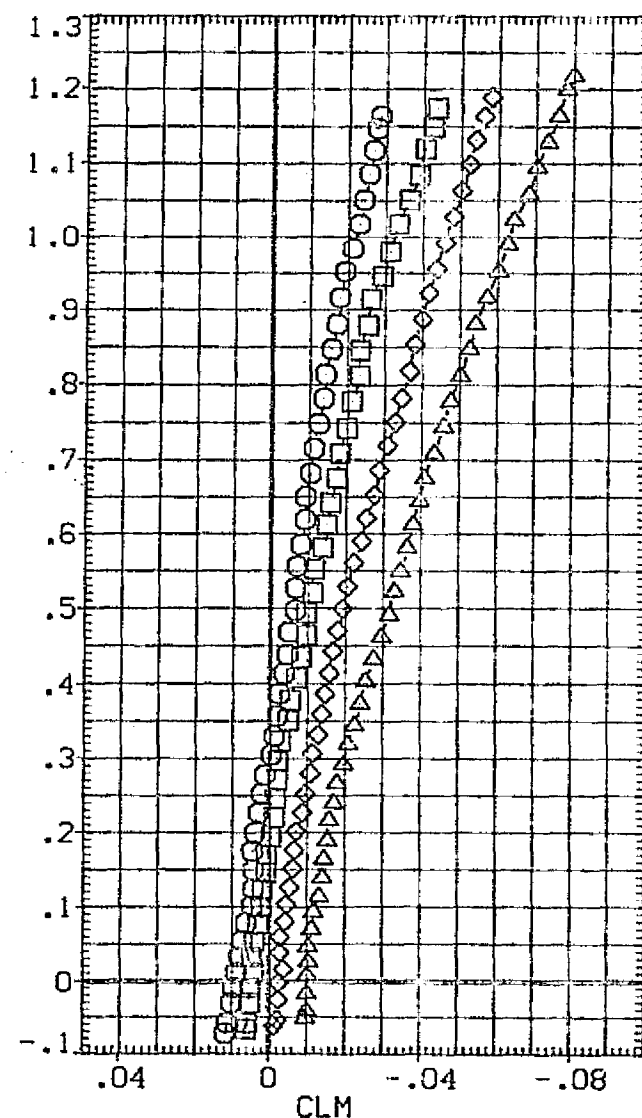
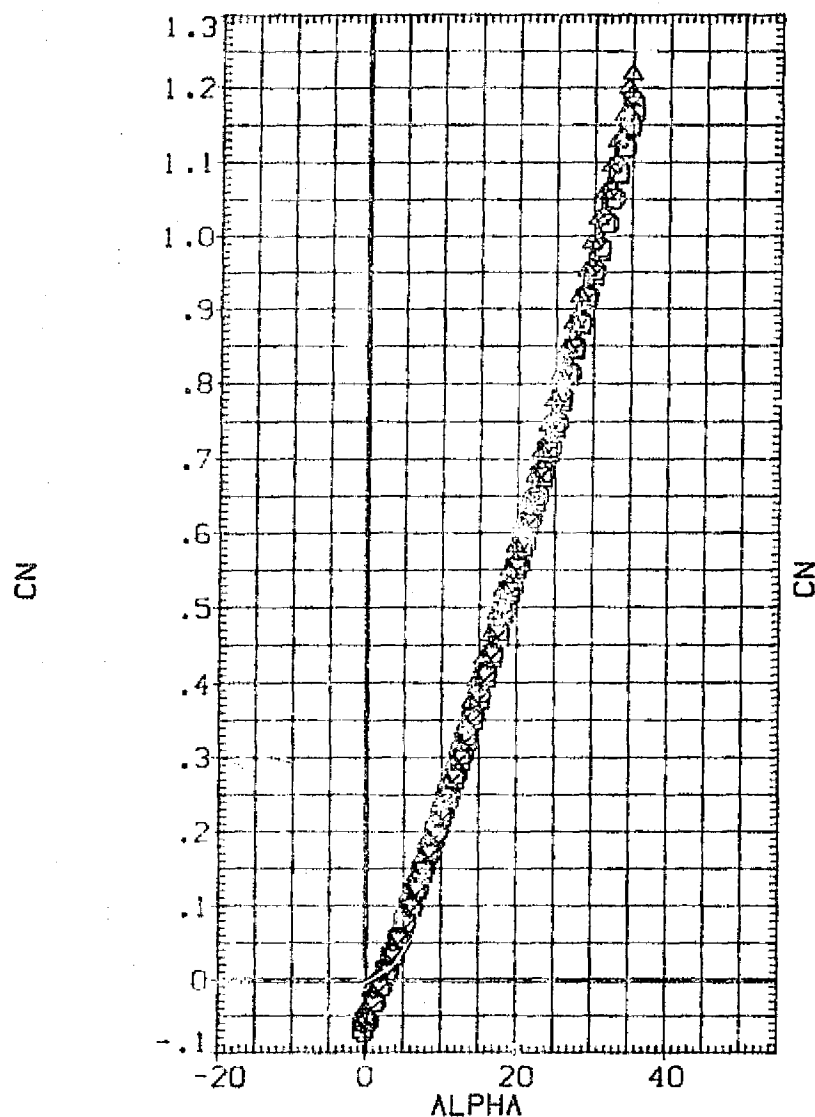


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A) MACH = 2.99

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0040)	LAG7 (LTV 552) ORBITER 49-0
(AF0043)	LAG7 (LTV 552) ORBITER 49-0
(AF0033)	LAG7 (LTV 552) ORBITER 49-0
(AF0046)	LAG7 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2890.0000 SQ. FT.
10.000	-5.000	.000	.000	LREF 474.8000 INCHES
10.000	.000	.000	.000	BREF 936.7000 INCHES
10.000	5.000	.000	.000	XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

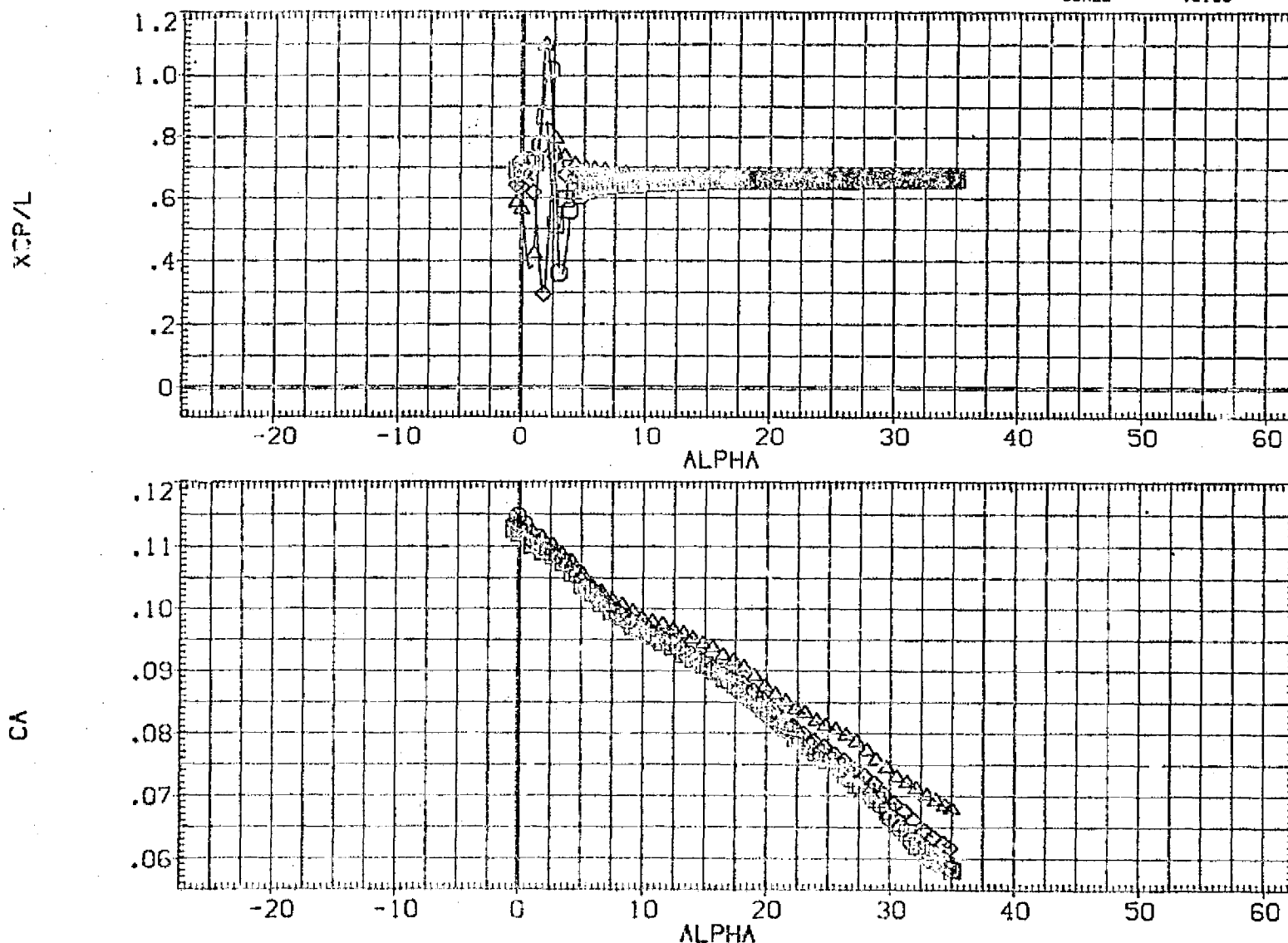


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 2.99

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AF0040)	LAG7 (LTV 552) ORBITER 49-0
(AF0043)	LAG7 (LTV 552) ORBITER 49-0
(AF0033)	LAG7 (LTV 552) ORBITER 49-0
(AF0046)	LAG7 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
10.000	-10.000	.000	.000	SREF 2690.0000 SQ.FT.
10.000	-5.000	.000	.000	LREF 474.8000 INCHES
10.000	.000	.000	.000	BREF 936.7000 INCHES
10.000	5.000	.000	.000	XHRP 1076.7000 IN. X0
				YHRP .0000 IN. Y0
				ZHRP 375.0000 IN. Z0
				SCALE .0150

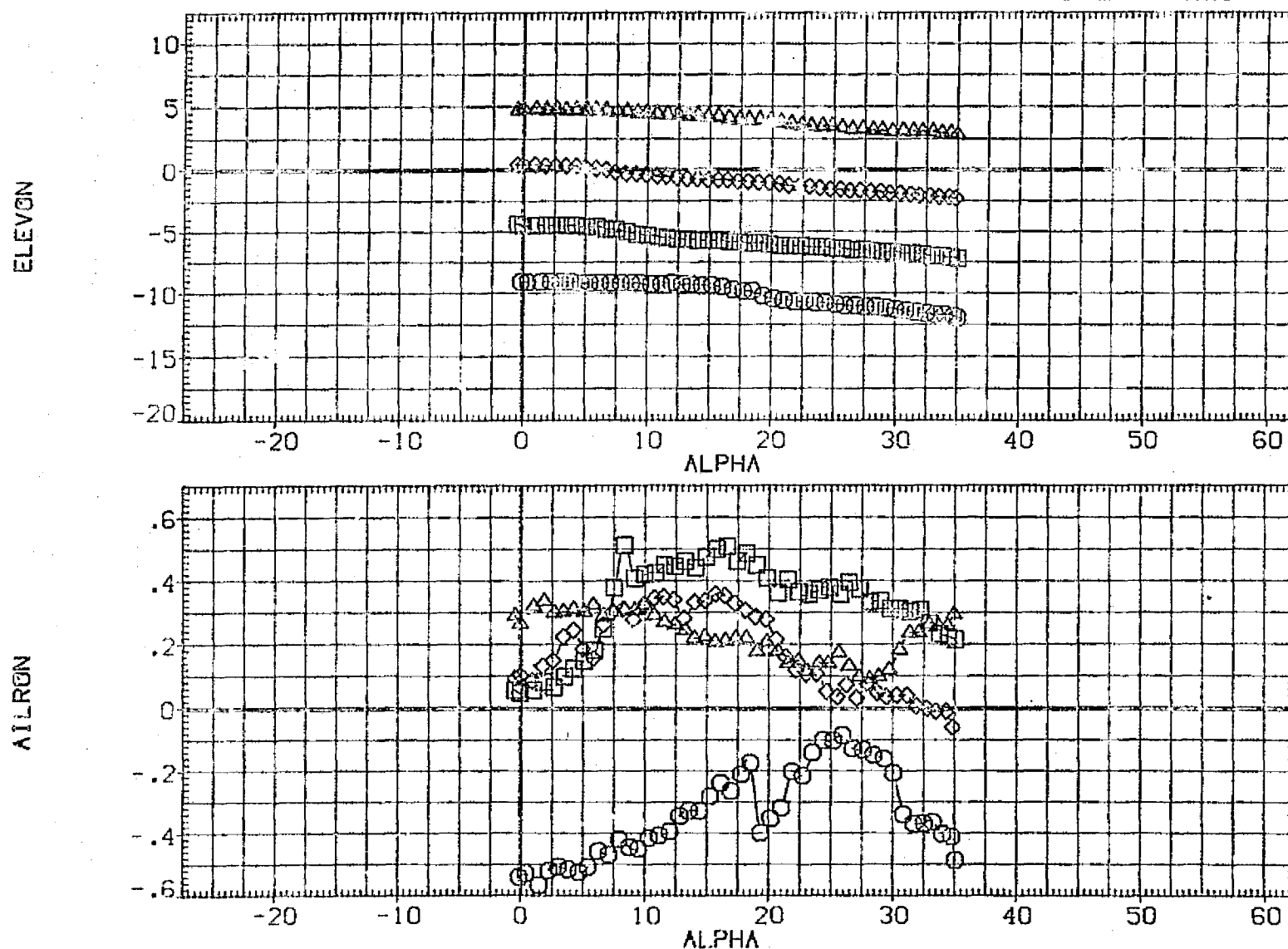


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 2.99

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
(SFD041)	LAG7 (LTV 552) ORBITER 49-0	16.000	-10.000	.000	.000	SREF	2690.0000 SQ. FT.
(SFD044)	LAG7 (LTV 552) ORBITER 49-0	16.000	-5.000	.000	.000	LREF	474.8000 INCHES
(SFD034)	LAG7 (LTV 552) ORBITER 49-0	16.000	.000	.000	.000	BREF	936.7000 INCHES
(SFD047)	LAG7 (LTV 552) ORBITER 49-0	16.000	5.000	.000	.000	XMRP	1076.7000 IN. X0
						YMRP	.0000 IN. Y0
						ZMRP	375.0000 IN. Z0
						SCALE	.0150

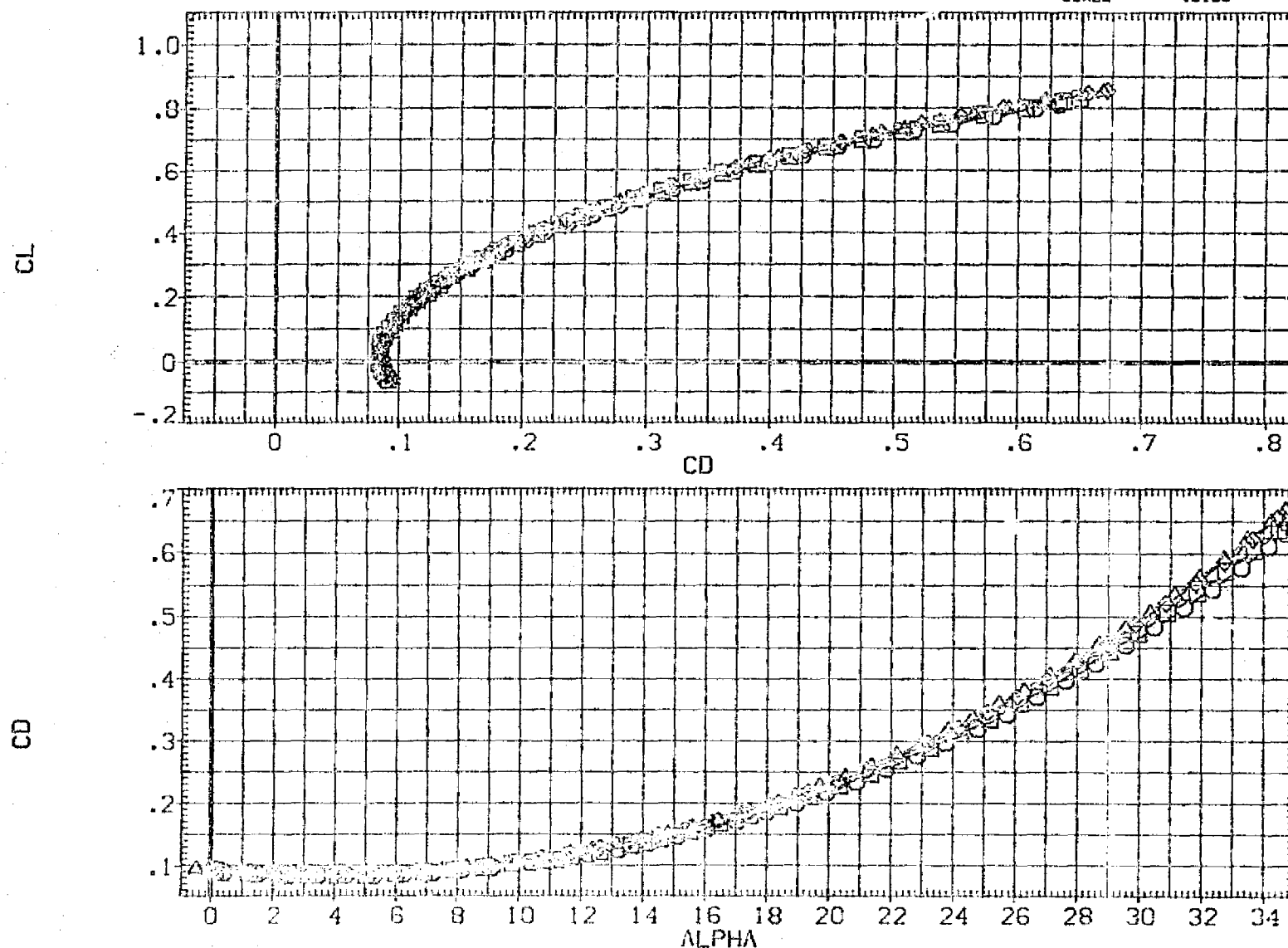


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 4.59

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(SFD041)	□	LA67 (LTV 552)	ORBITER 49-0
(SFD044)	□	LA67 (LTV 552)	ORBITER 49-0
(SFD034)	◇	LA67 (LTV 552)	ORBITER 49-0
(SFD047)	△	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
16.000	-10.000	.000	.000	SRET	2690.0000
16.000	-5.000	.000	.000	LREF	474.8000
16.000	.000	.000	.000	BREF	936.7000
16.000	.000	.000	.000	XMRP	1076.7000
16.000	.000	.000	.000	YMRP	.0000
				ZMRP	375.8000
				SCALE	.0150

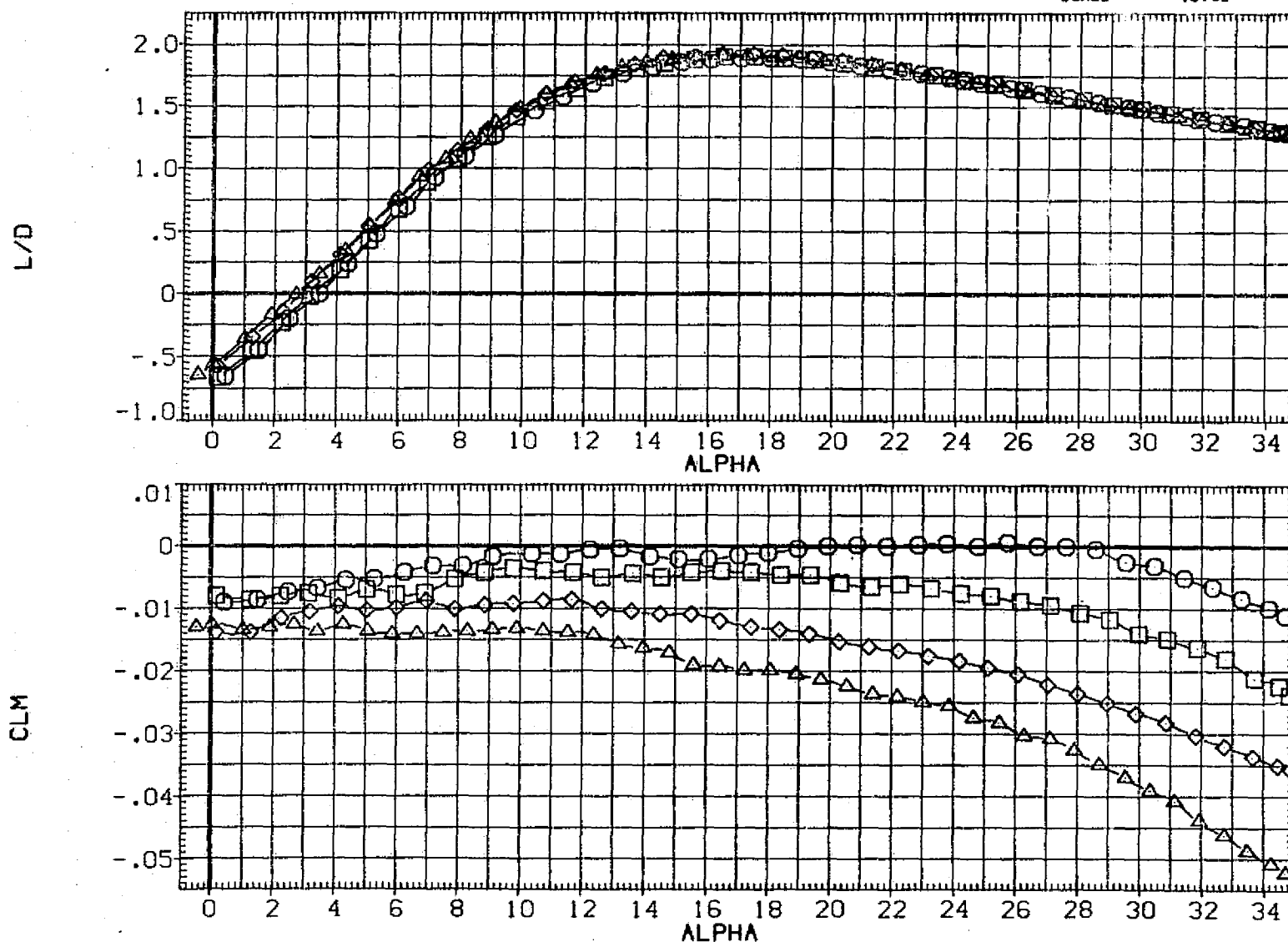


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 4.59

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(SFD041)	LA67 (LTV 552)	ORBITER 49-0
(SFD044)	LA67 (LTV 552)	ORBITER 49-0
(SFD034)	LA67 (LTV 552)	ORBITER 49-0
(SFD047)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
16.000	-10.000	.000	.000	SREF	2690.0000	SQ.FT.
16.000	-5.000	.000	.000	LREF	474.8000	INCHES
16.000	.000	.000	.000	BREF	936.7000	INCHES
16.000	5.000	.000	.000	XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

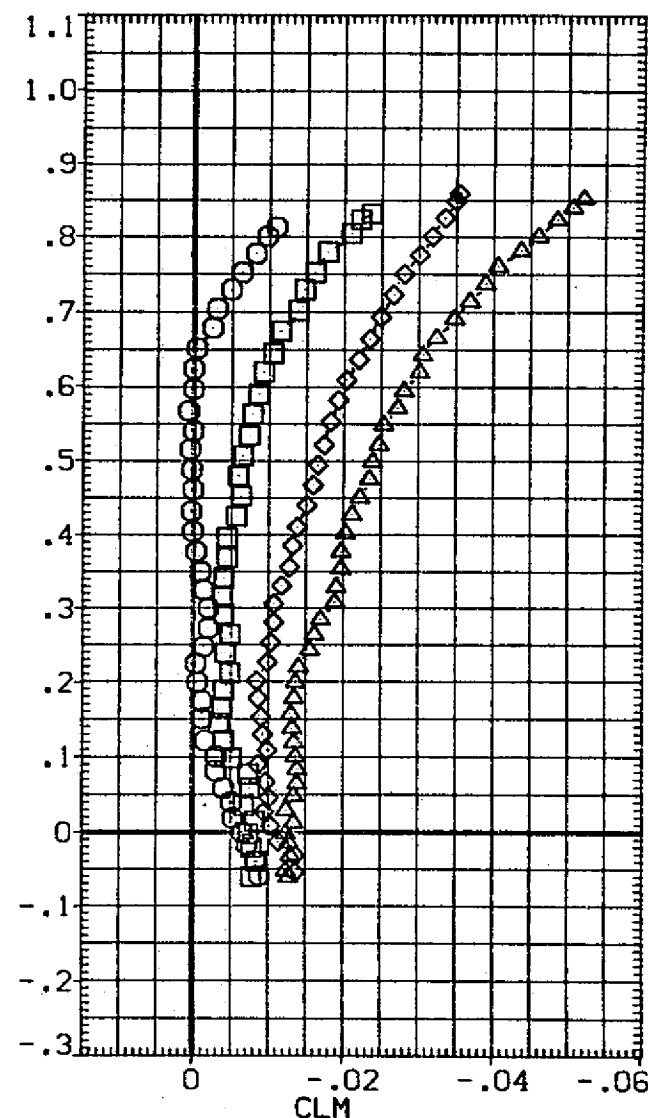
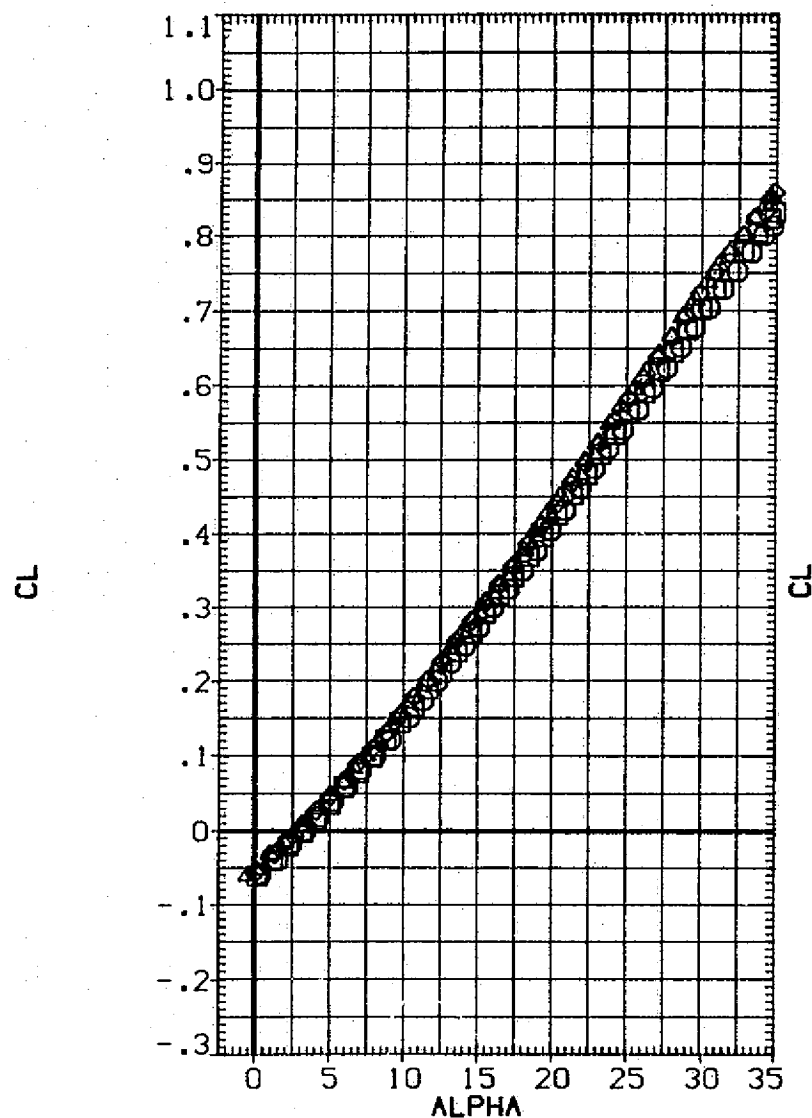


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 4.59

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD041)	LA67 (LTV 552)	ORBITER 49-0
(AFD044)	LA67 (LTV 552)	ORBITER 49-0
(AFD034)	LA67 (LTV 552)	ORBITER 49-0
(AFD047)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION		
16.000	-10.000	.000	.000	SREF	2690.0000	SG. F.T.
16.000	-5.000	.000	.000	LREF	474.0000	INCHES
16.000	.000	.000	.000	BREF	936.7000	INCHES
16.000	5.000	.000	.000	XHRP	1076.7000	IN. X0
				YHRP	.0000	IN. Y0
				ZHRP	375.0000	IN. Z0
				SCALE	.0150	

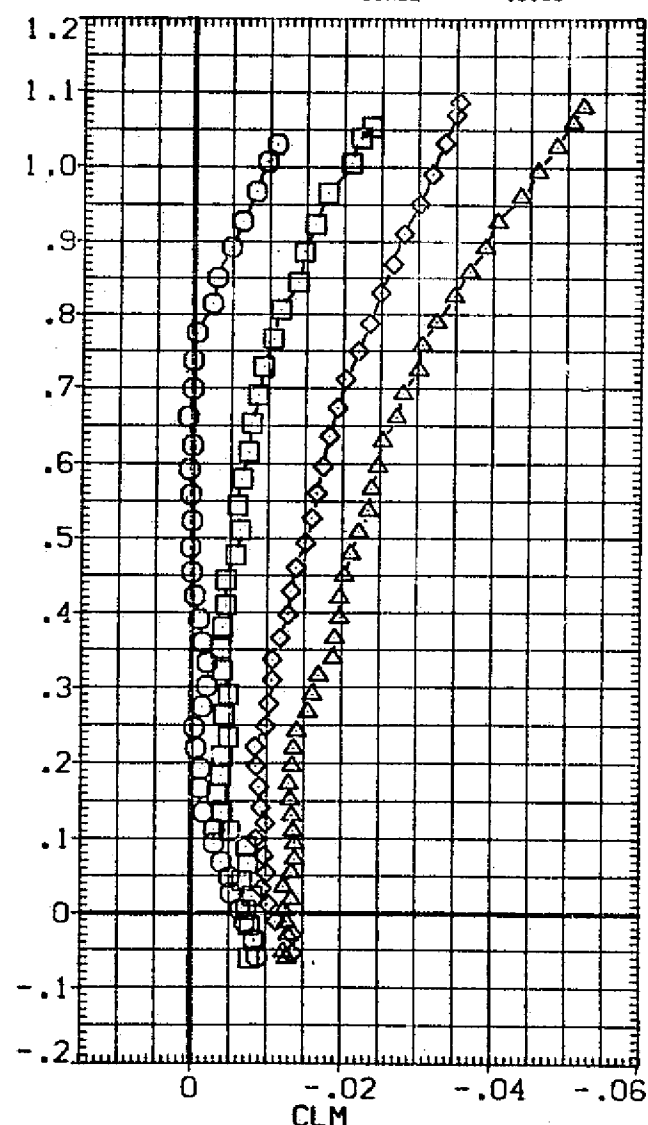
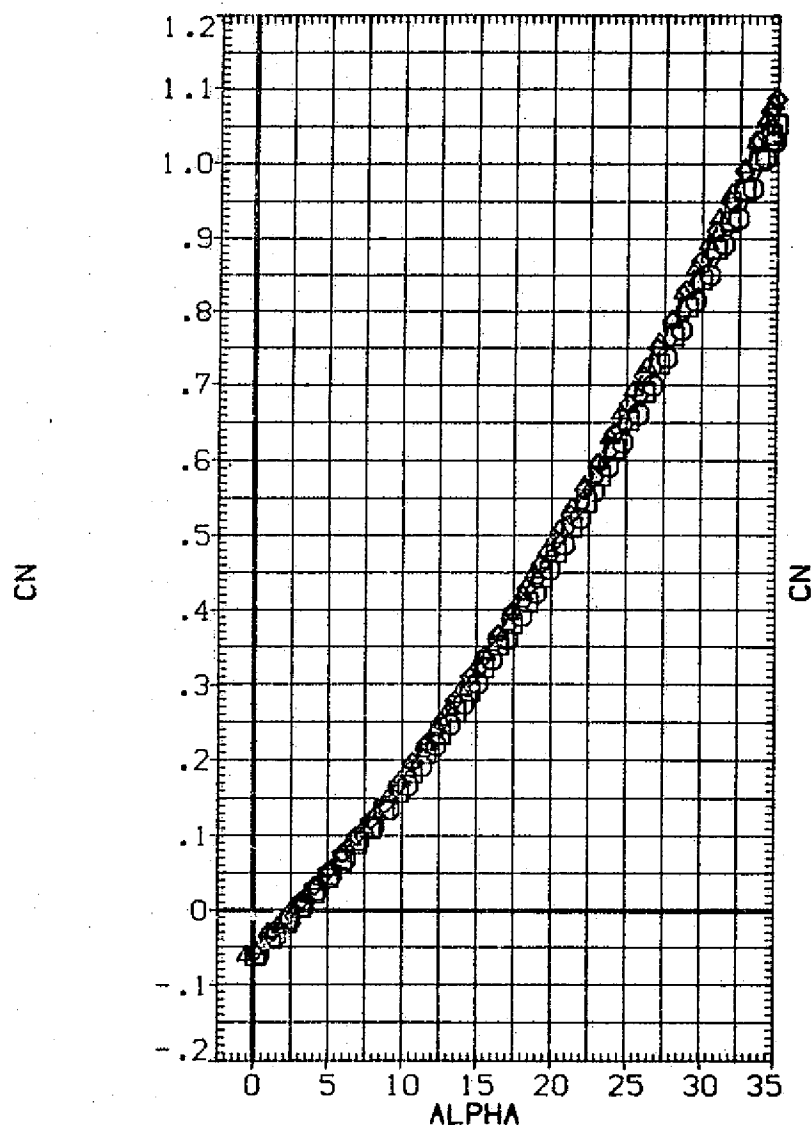


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A) MACH = 4.59

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD041)	LA67 (LTV 552) ORBITER 49-0
(AFD044)	LA67 (LTV 552) ORBITER 49-0
(AFD034)	LA67 (LTV 552) ORBITER 49-0
(AFD047)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION	
16.000	-10.000	.000	.000	SREF	2690.0000 SQ.FT.
16.000	-5.000	.000	.000	LREF	474.8000 INCHES
16.000	.000	.000	.000	BREF	936.7000 INCHES
16.000	5.000	.000	.000	XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

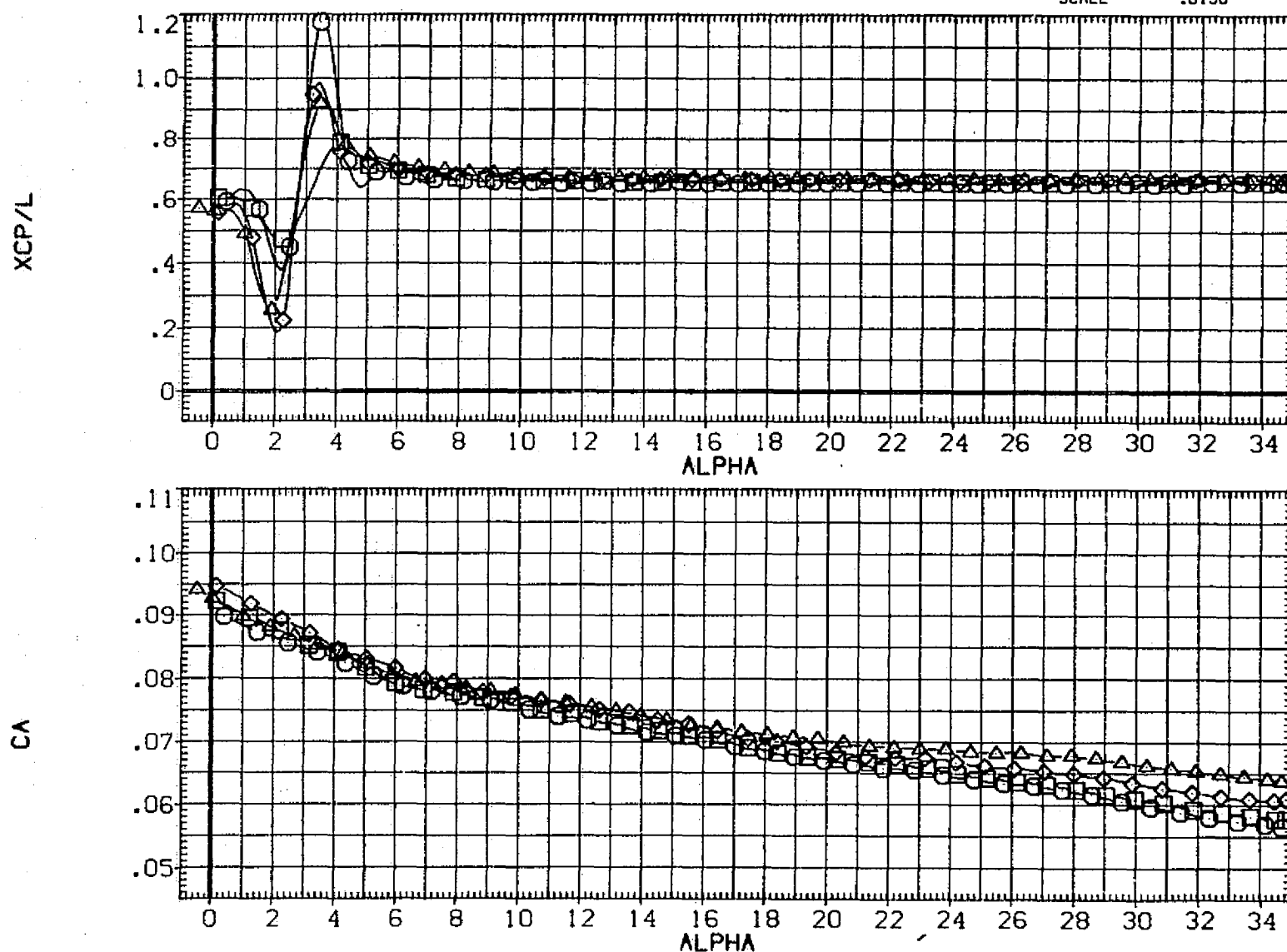


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 4.59

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD041)	LAG7 (LTV 552) ORBITER 49-0
(AFD044)	LAG7 (LTV 552) ORBITER 49-0
(AFD034)	LAG7 (LTV 552) ORBITER 49-0
(AFD047)	LAG7 (LTV 552) ORBITER 49-0

RN/L	ELEVON	AILRON	BETA	REFERENCE INFORMATION
16.000	-10.000	.000	.000	SREF 2690.0000 50.FT.
16.000	-5.000	.000	.000	LREF 474.8000 INCHES
16.000	.000	.000	.000	BREF 936.7000 INCHES
16.000	5.000	.000	.000	XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

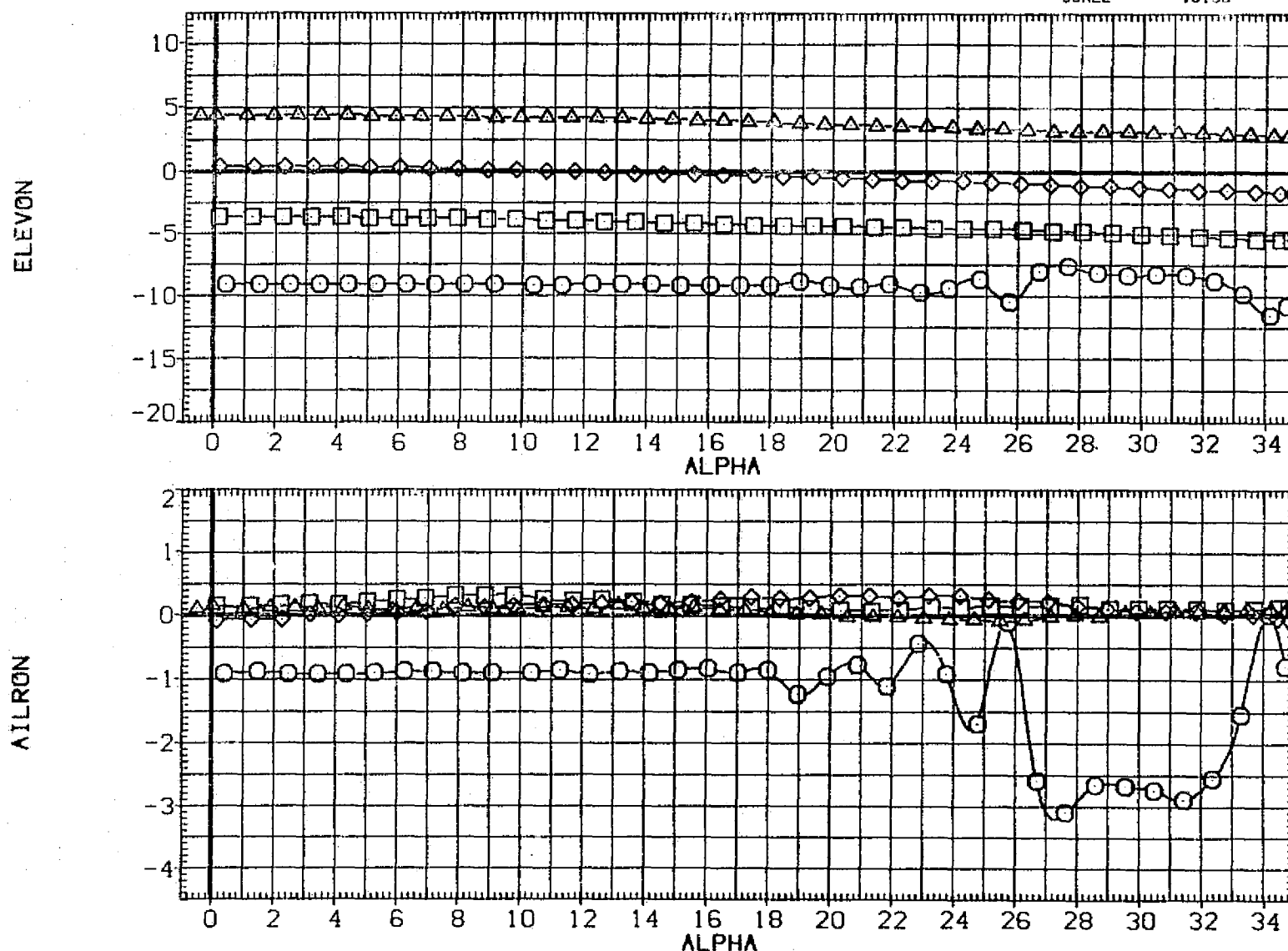


FIG. 9 ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 4.59

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD201)	LA67 (LTV 552)	ORBITER 49-0
(AFD202)	LA67 (LTV 552)	ORBITER 49-0
(AFD203)	LA67 (LTV 552)	ORBITER 49-0
(AFD204)	LA67 (LTV 552)	ORBITER 49-0

BETA	ELEVON	AILRON
.000	.000	.000
.000	5.000	2.000
-2.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

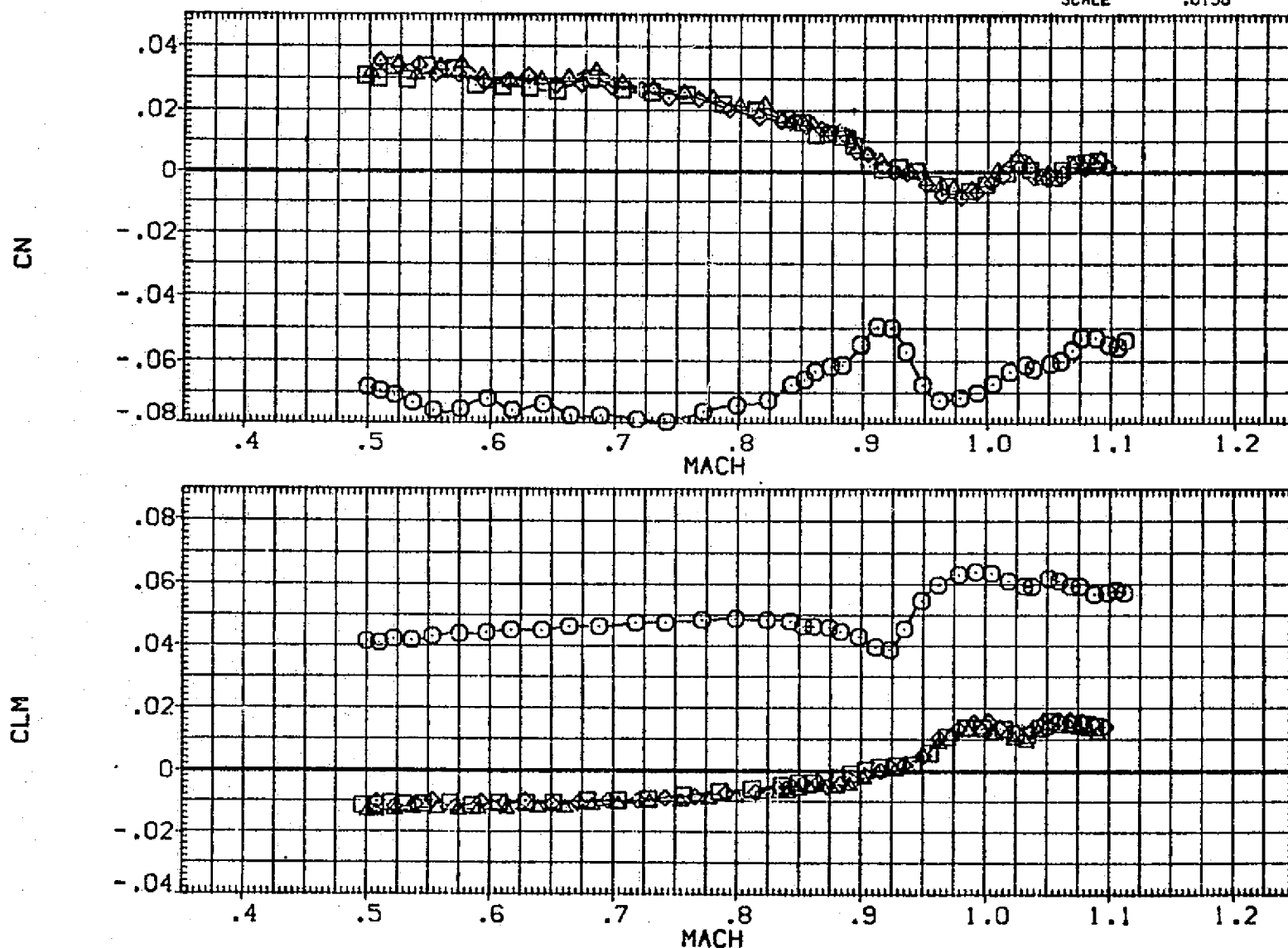


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD201)	LA67 (LTV 552) ORBITER 49-0
(AFD202)	LA67 (LTV 552) ORBITER 49-0
(AFD203)	LA67 (LTV 552) ORBITER 49-0
(AFD204)	LA67 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILERON
.000	.000	.000
.000	5.000	2.000
-2.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	2680.0000	50. FT.
LREF	171.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

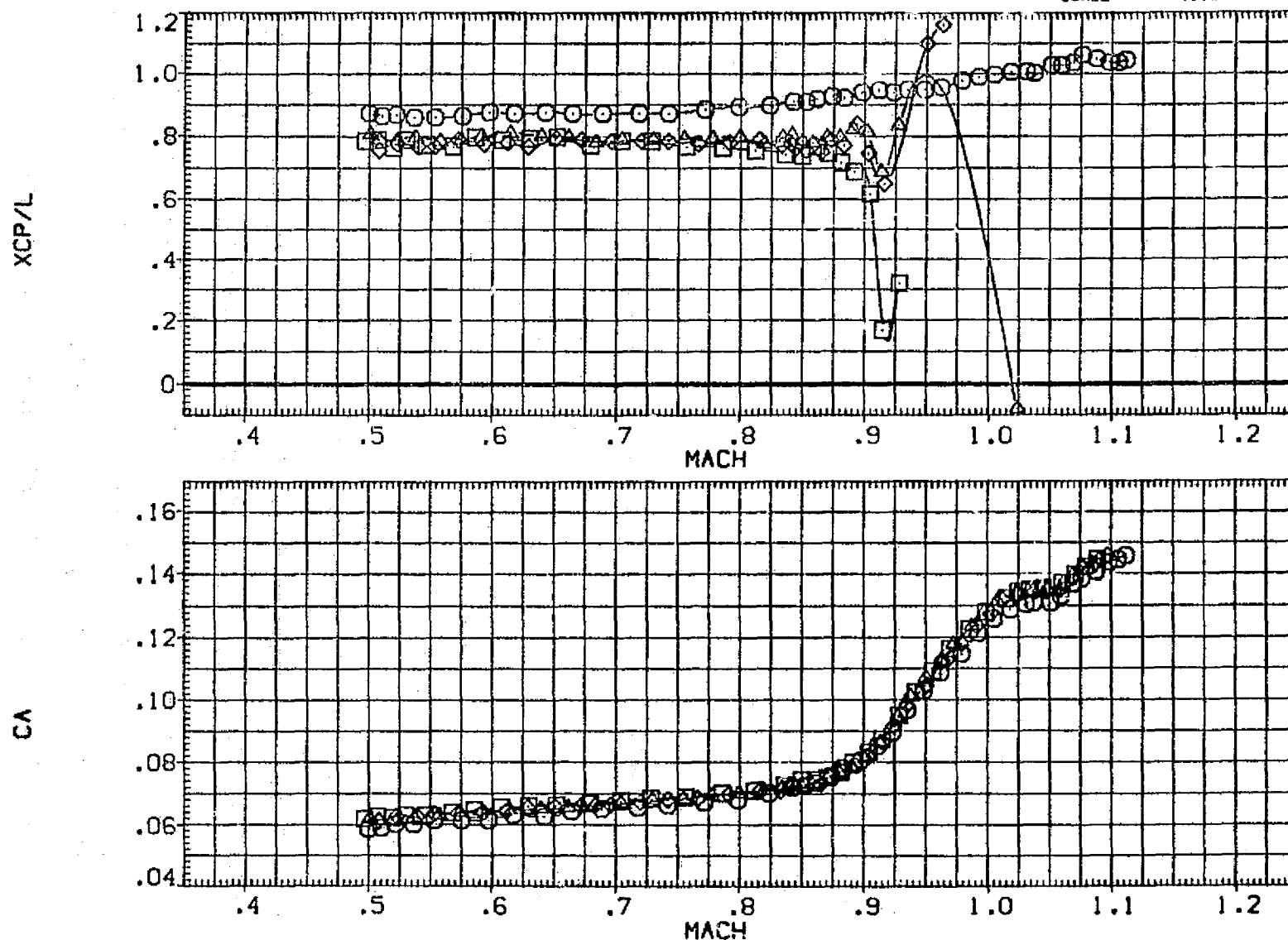


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD201)	LA67 (LTV 552)	ORBITER 49-0
(AFD202)	LA67 (LTV 552)	ORBITER 49-0
(AFD203)	LA67 (LTV 552)	ORBITER 49-0
(AFD204)	LA67 (LTV 552)	ORBITER 49-0

BETA	ELEVON	AILRON
.000	.000	.000
.000	5.000	2.000
-2.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRF	1076.7000	IN. X0
YMRF	.0000	IN. Y0
ZMRF	375.0000	IN. Z0
SCALE	.0150	

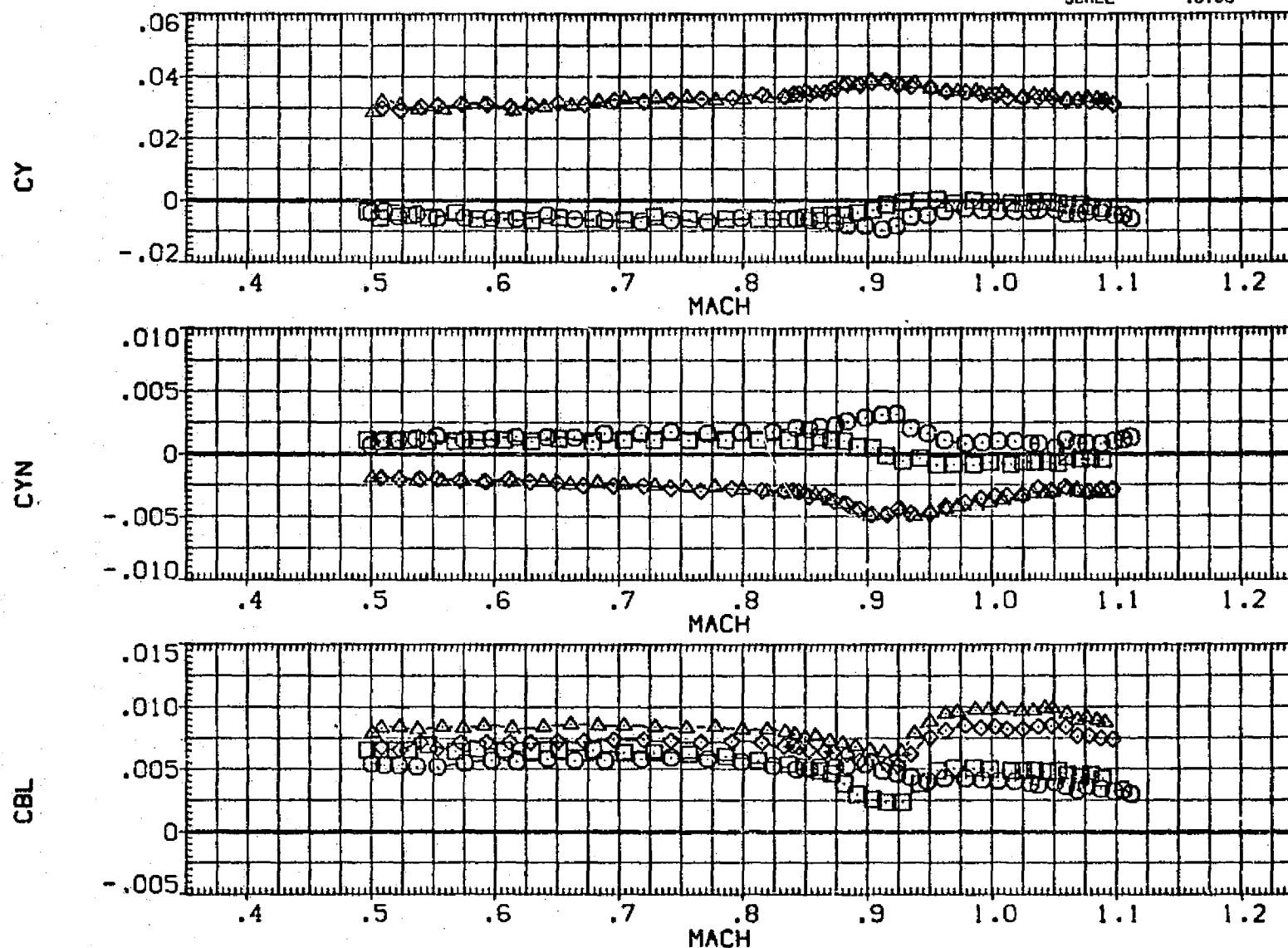


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD201)	LAG7 (LTV 552) ORBITER 49-0
(AFD202)	LAG7 (LTV 552) ORBITER 49-0
(AFD203)	LAG7 (LTV 552) ORBITER 49-0
(AFD204)	LAG7 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILRON
.000	.000	.000
.000	5.000	2.000
-2.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	26.0000	60. FT.
LREF	41.8000	INCHES
BREF	935.7000	INCHES
XMRP	1015.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

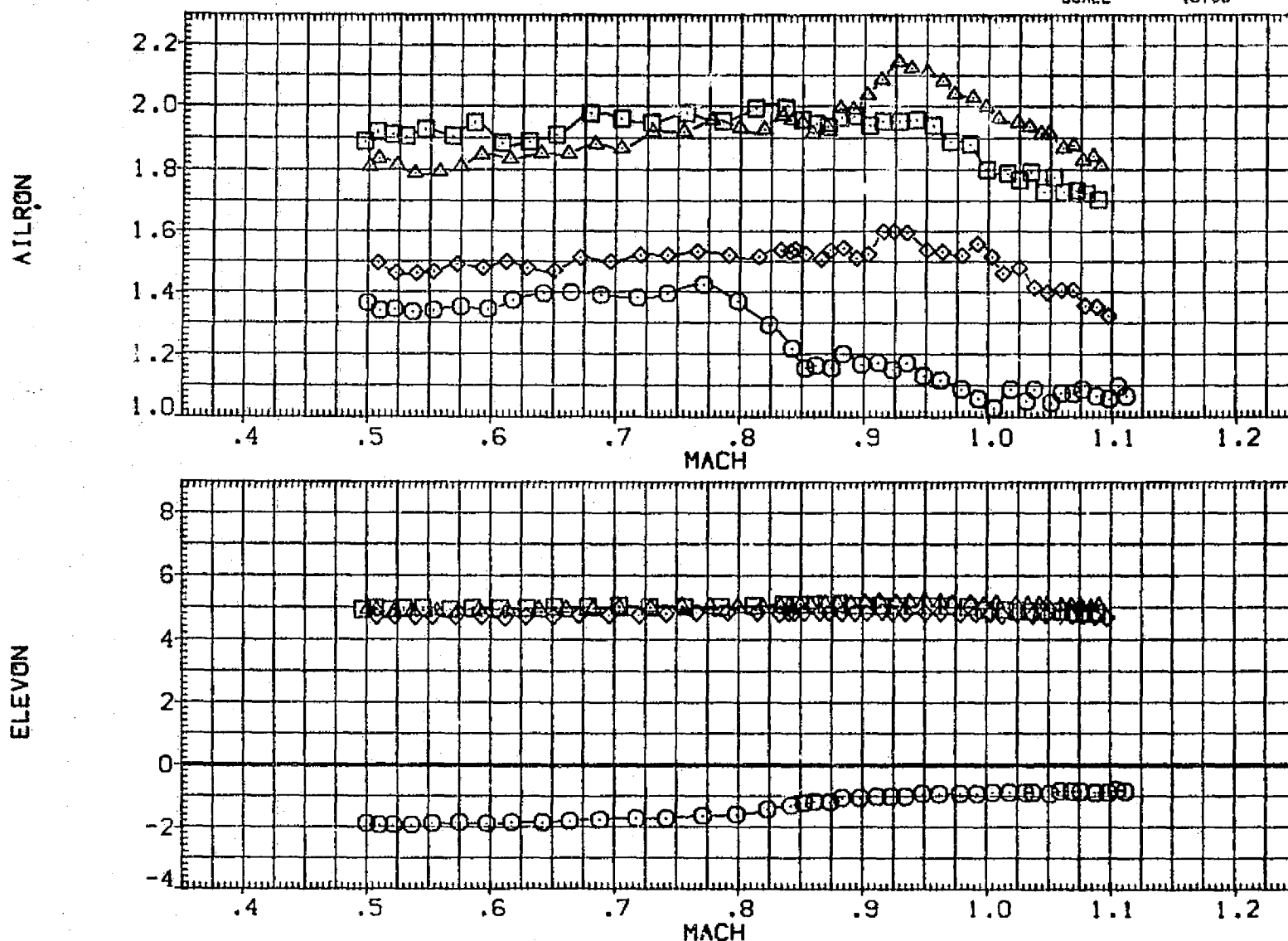


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD202) ○	LA67 (LTV 552) ORBITER 49-0
(AFD204) □	LA67 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILERON
.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

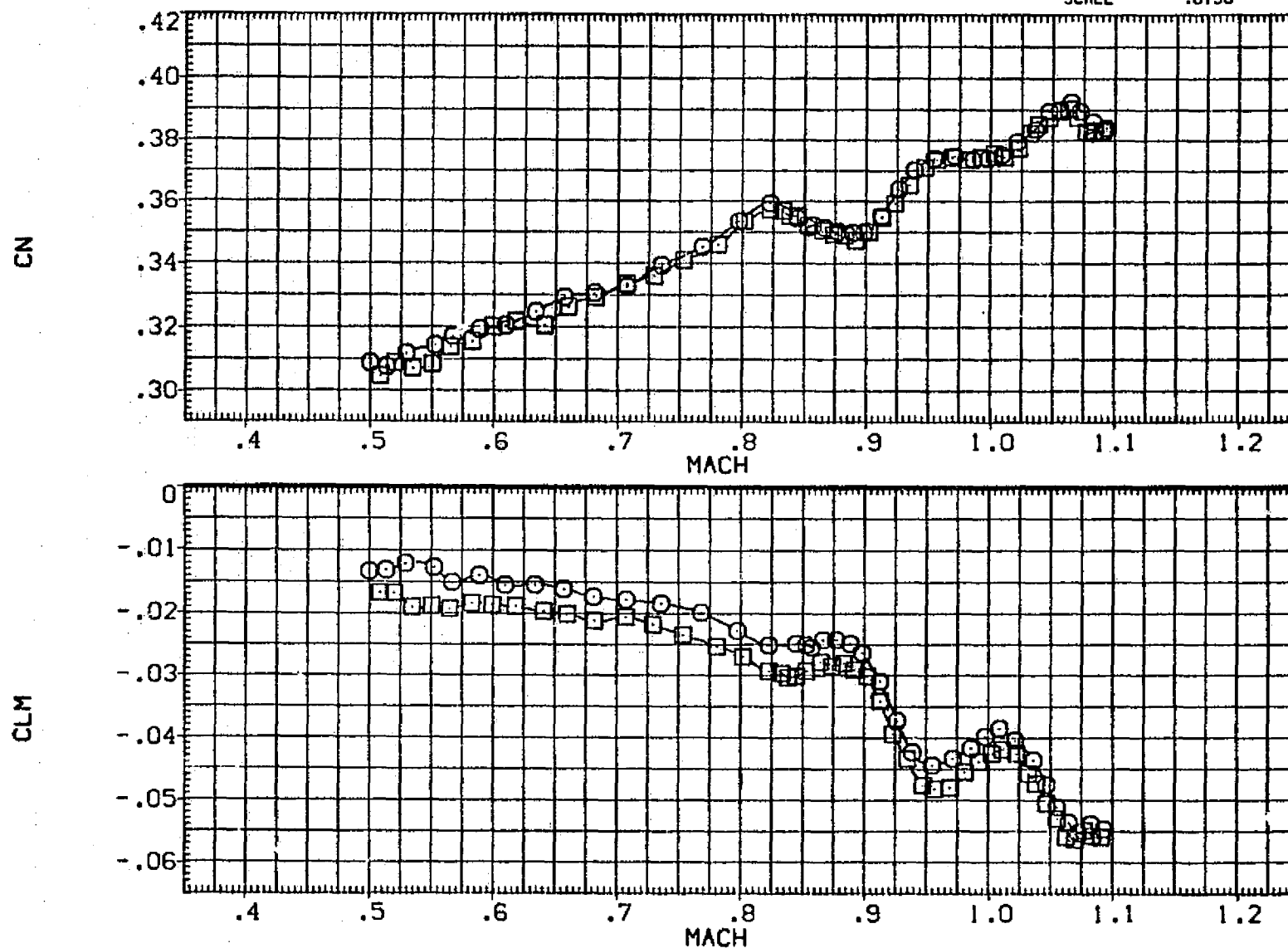


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(A) ALPHA = 6.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD202)	LA67 (LTV 552) ORBITER 49-0
(AFD204)	LA67 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILRON
.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	2690.000	50. FT.
LREF	474.0000	INCHES
BREF	938.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

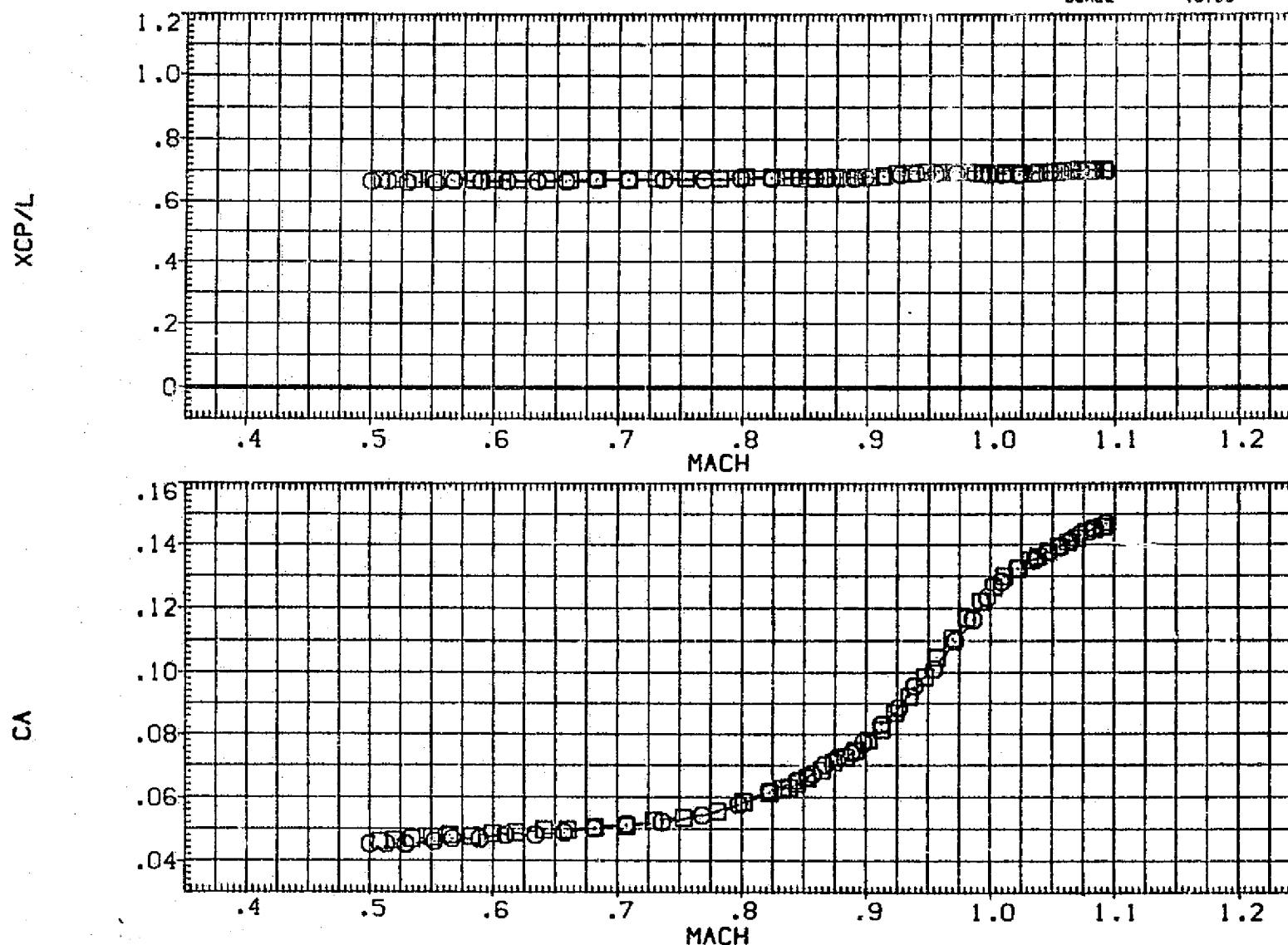


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(A) ALPHA = 6.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{AFD202}	LA67 (LTV 552) ORBITER 49-0
{AFD204}	LA67 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILERON
.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8900	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

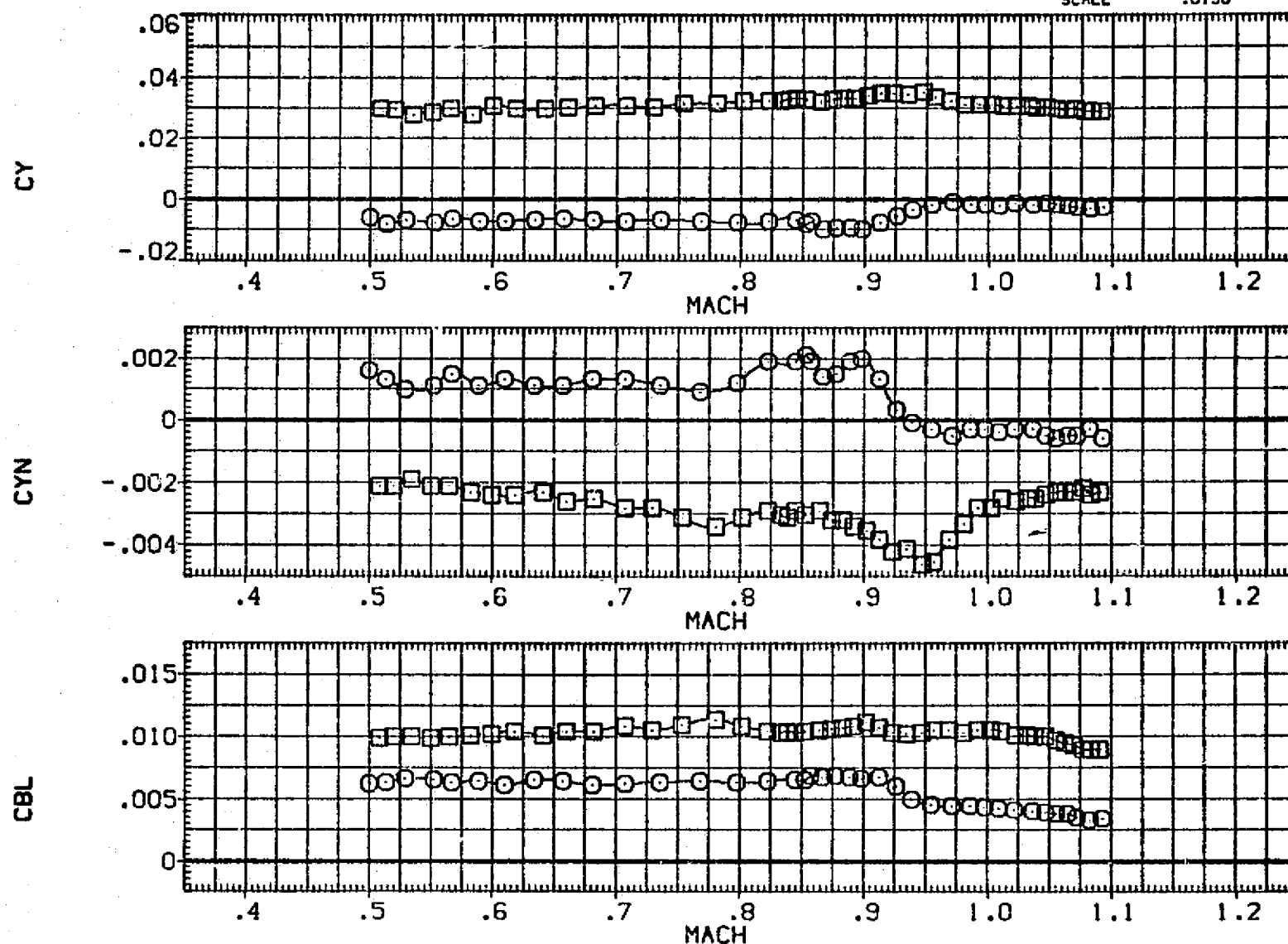




FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP

(A) ALPHA = 6.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD202) 	LA67 (LTV 552) ORBITER 49-0
(AFD204) 	LA67 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILRON
.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	-890.0000	50. FT.
LREF	474.8000	INCHES
BREF	36.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

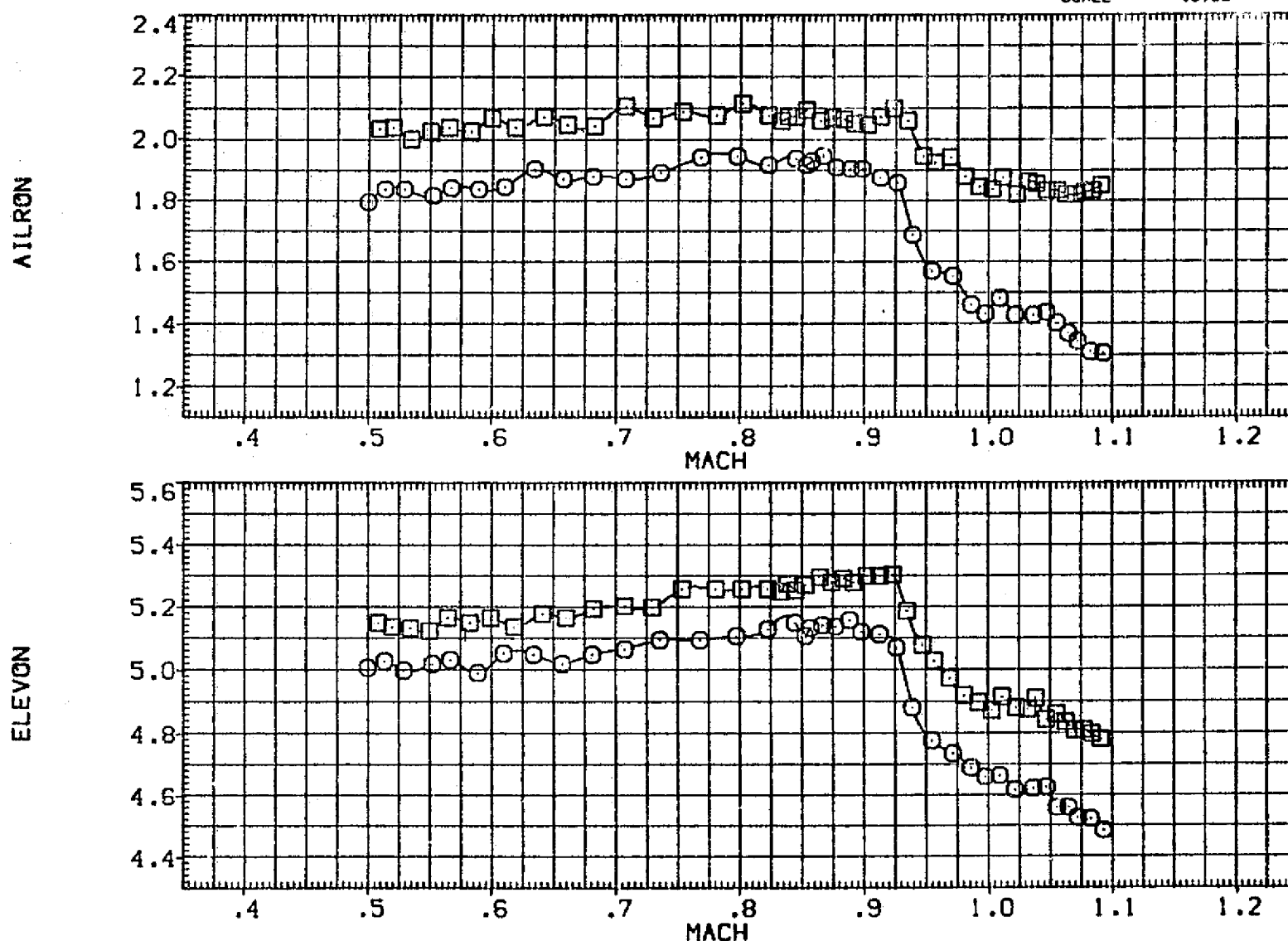


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(A) ALPHA = 6.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD202)	LA67 (LTV 552) ORBITER 49-0
(AFD204)	LA67 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILRON
.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

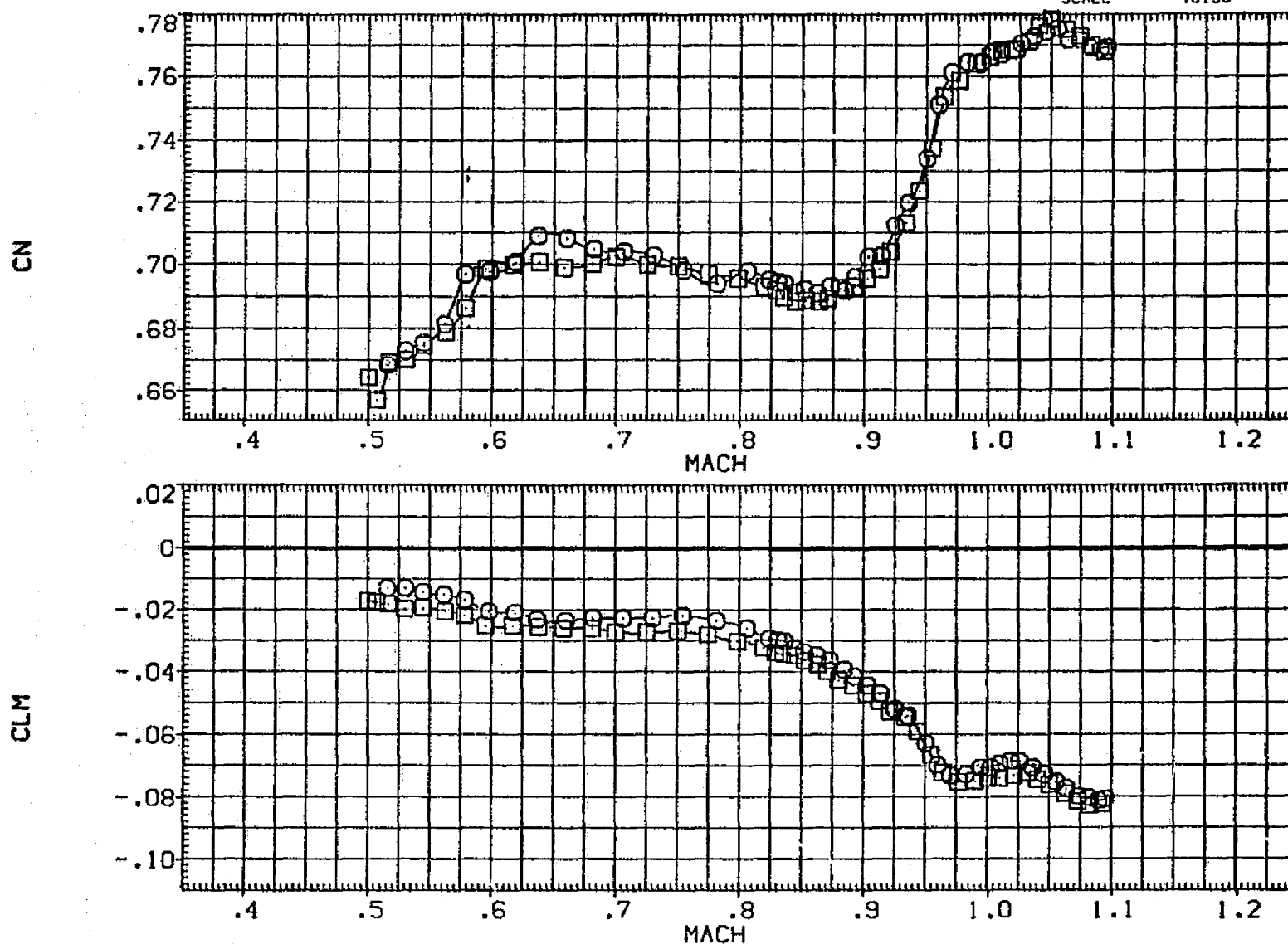


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(B) ALPHA = 13.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD202)	LA67 (LTV 552) ORBITER 49-0
(AFD204)	LA67 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILERON
.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION	
SREF	2690.0000 INCHES
LREF	474.0000 INCHES
BREF	238.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

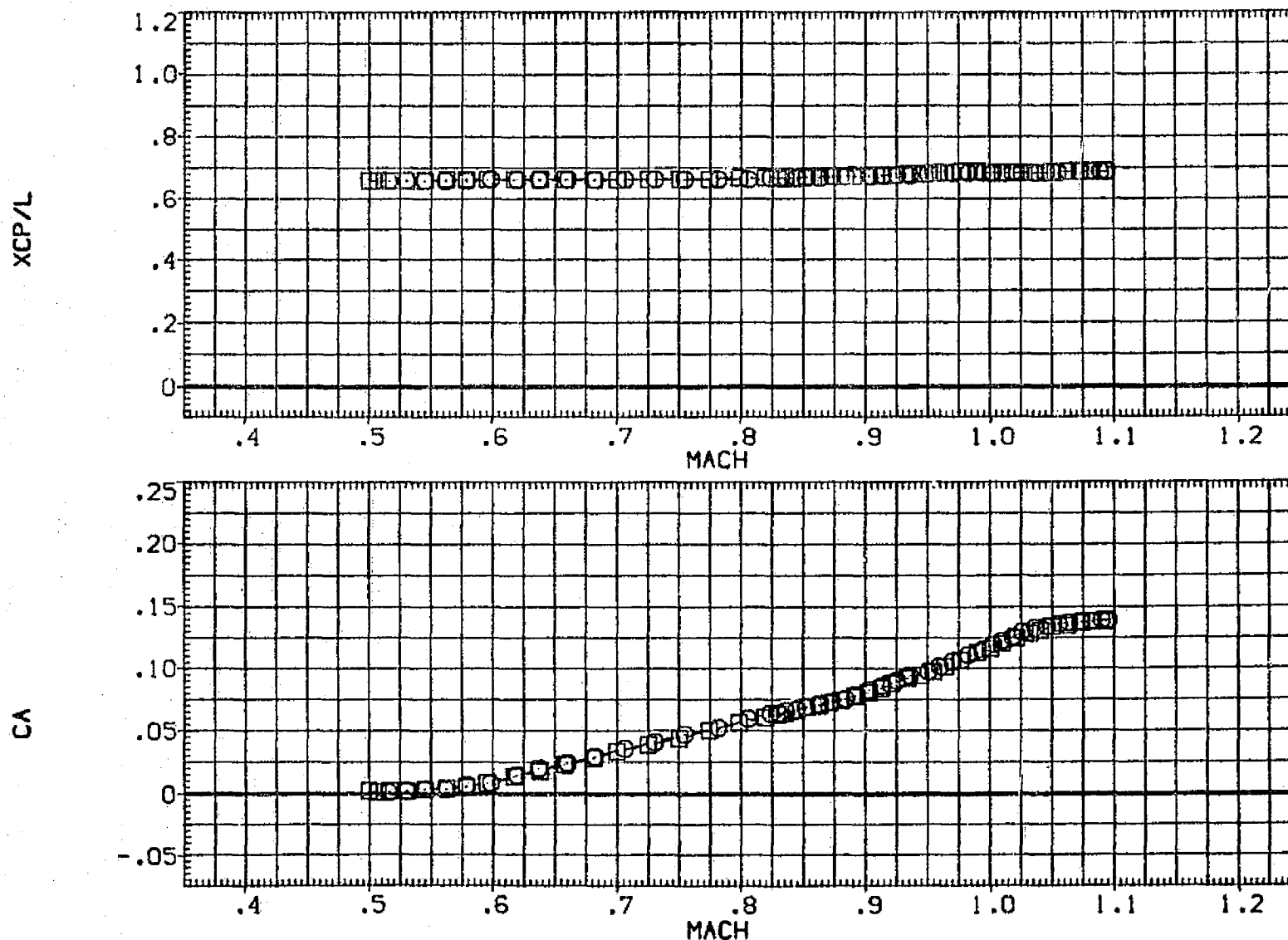


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(B) ALPHA = 13.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD202)	LAG7 (LTV 552) ORBITER 49-0
(AFD204)	LAG7 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILRON
.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

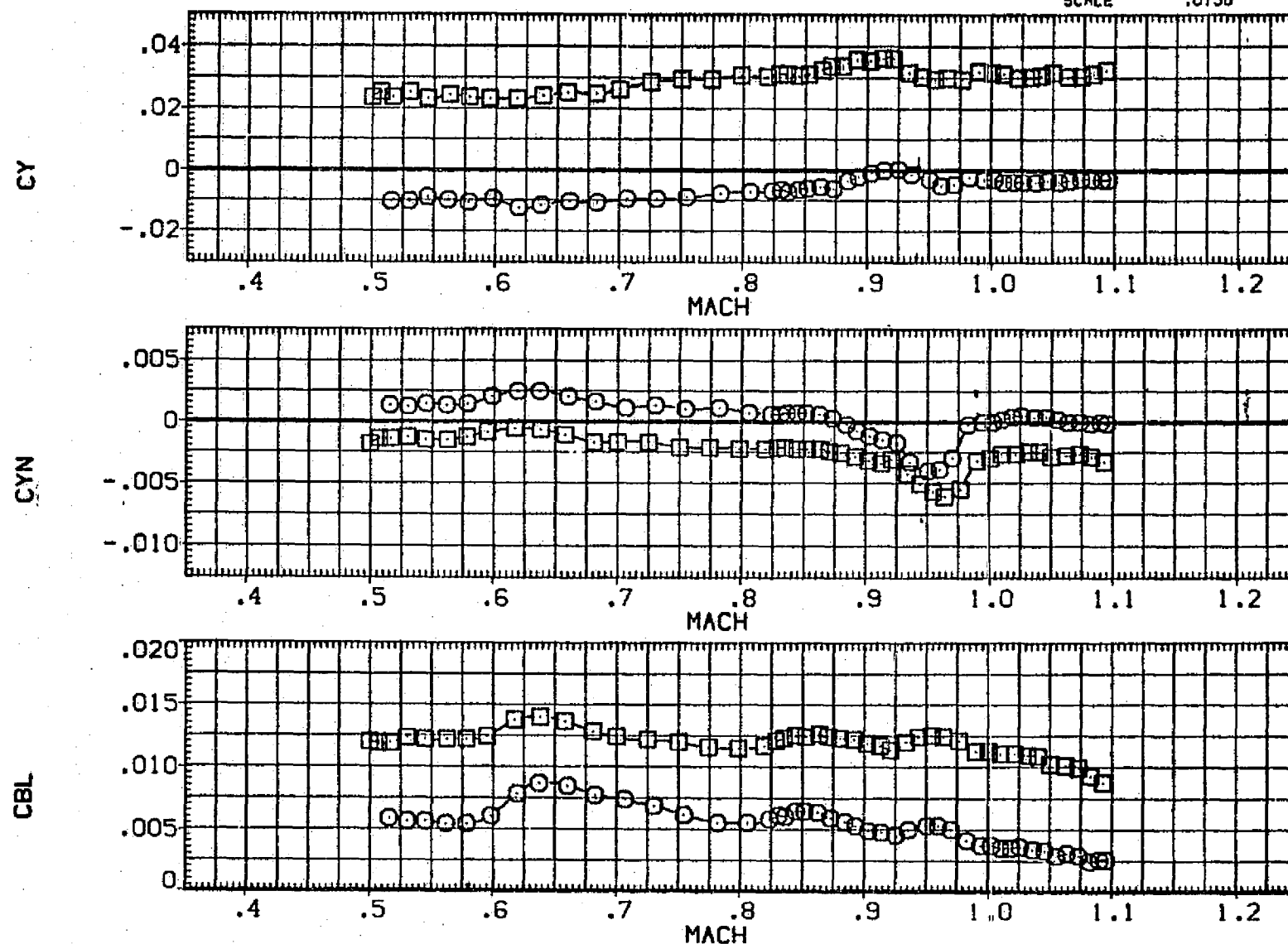


FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(B) ALPHA = 13.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD202) ○	LA67 (LTV 552) ORBITER 49-0
(AFD204) □	LA67 (LTV 552) ORBITER 49-0

BETA	ELEVON	AILRON
.000	5.000	2.000
-2.000	5.000	2.000

REFERENCE INFORMATION:		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

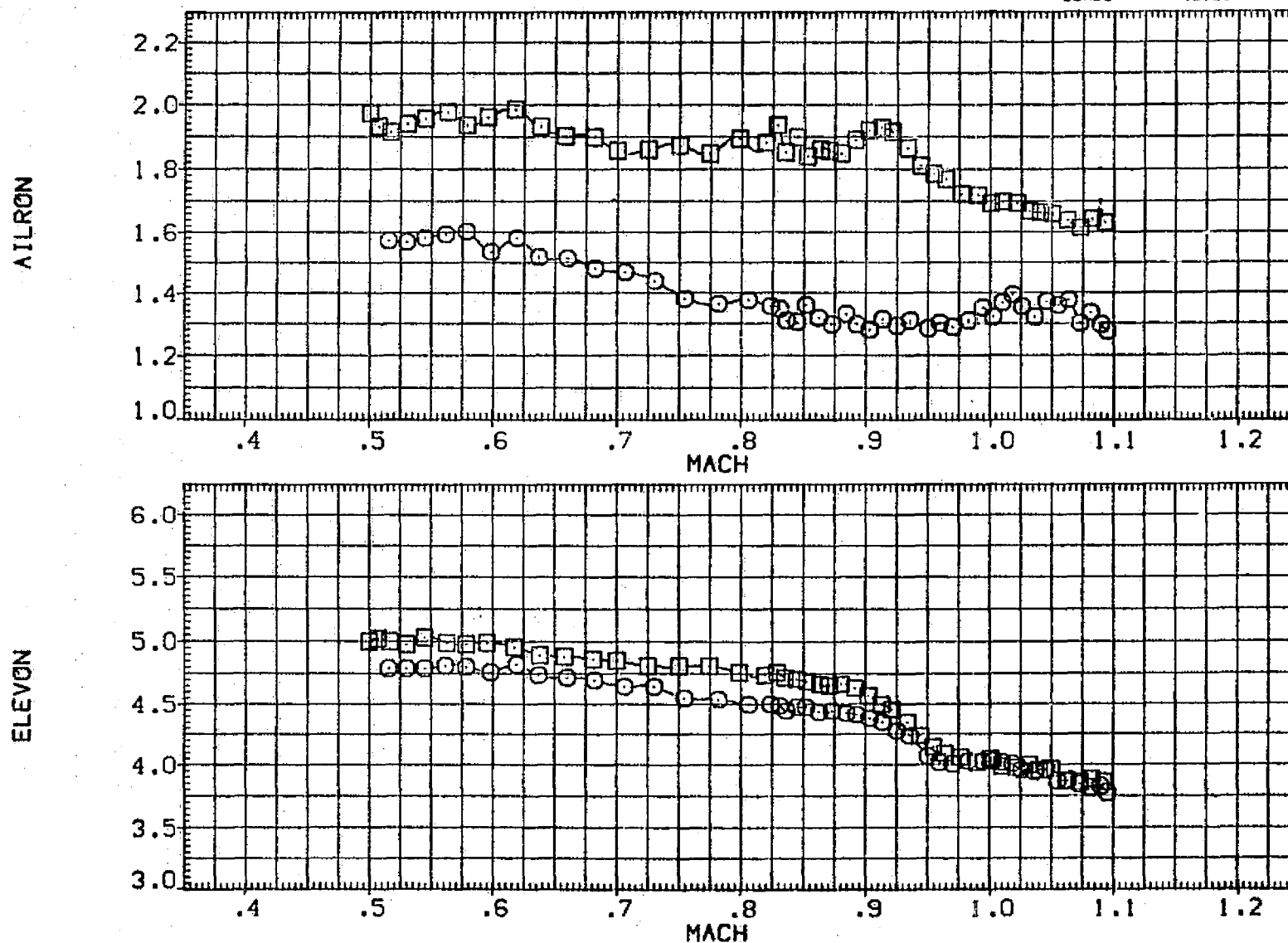




FIG. 10 BASELINE ORBITER DATA FOR MACH RAMP
(B) ALPHA = 13.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD010) 	LA67 (LTV 552) ORBITER 49-0
(SFD015) 	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
5.000	120.000
5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

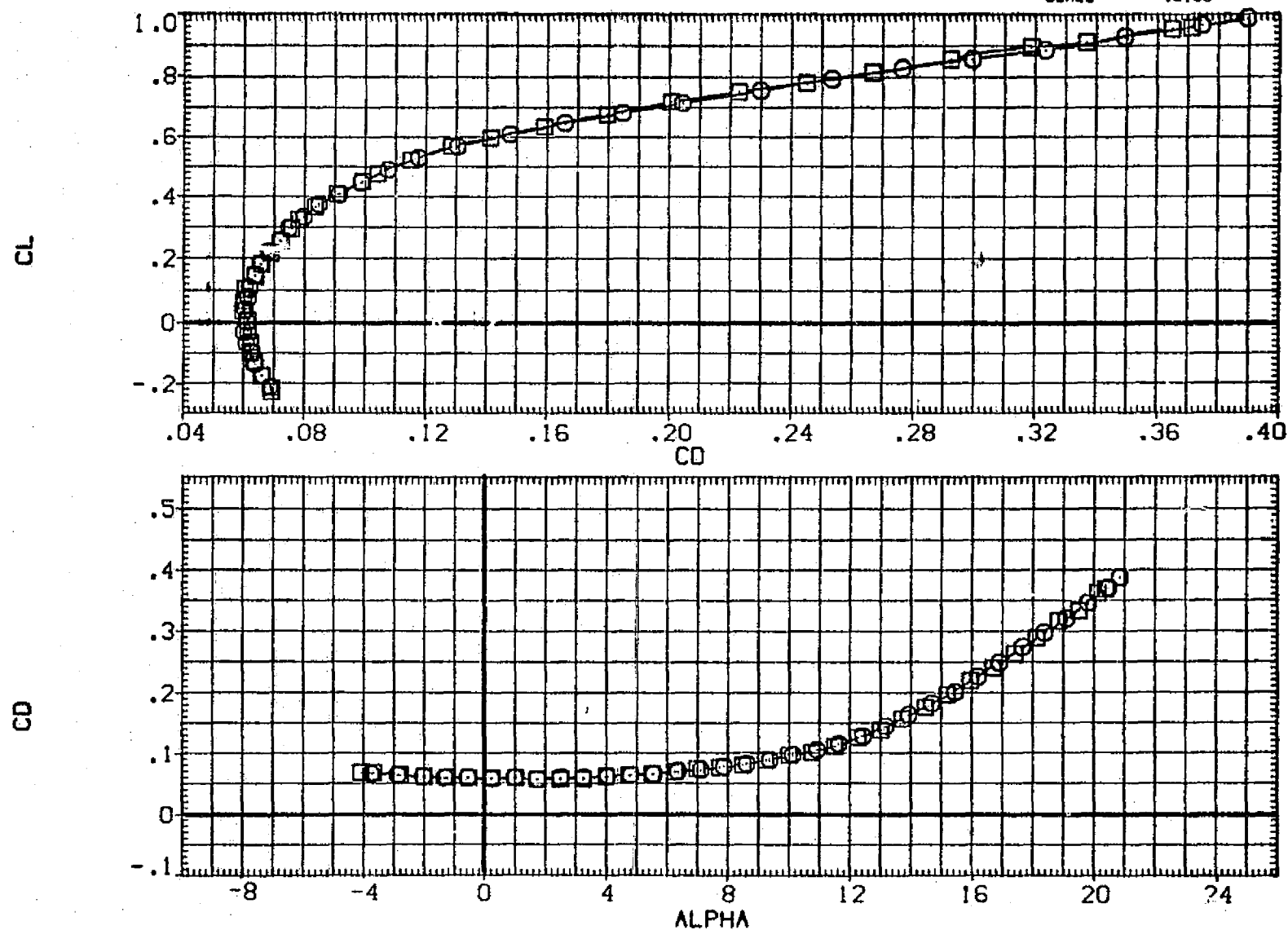


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD010)	LA67 (LTV 552) ORBITER 49-0
(SFD015)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
5.000	120.000
5.000	.000

REFERENCE INFORMATION		
SREF	2680.0000	50.FT.
LREF	474.0000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. 10
YMRP	.0000	IN. 70
ZMRP	375.0000	IN. 70
SCALE	.0150	

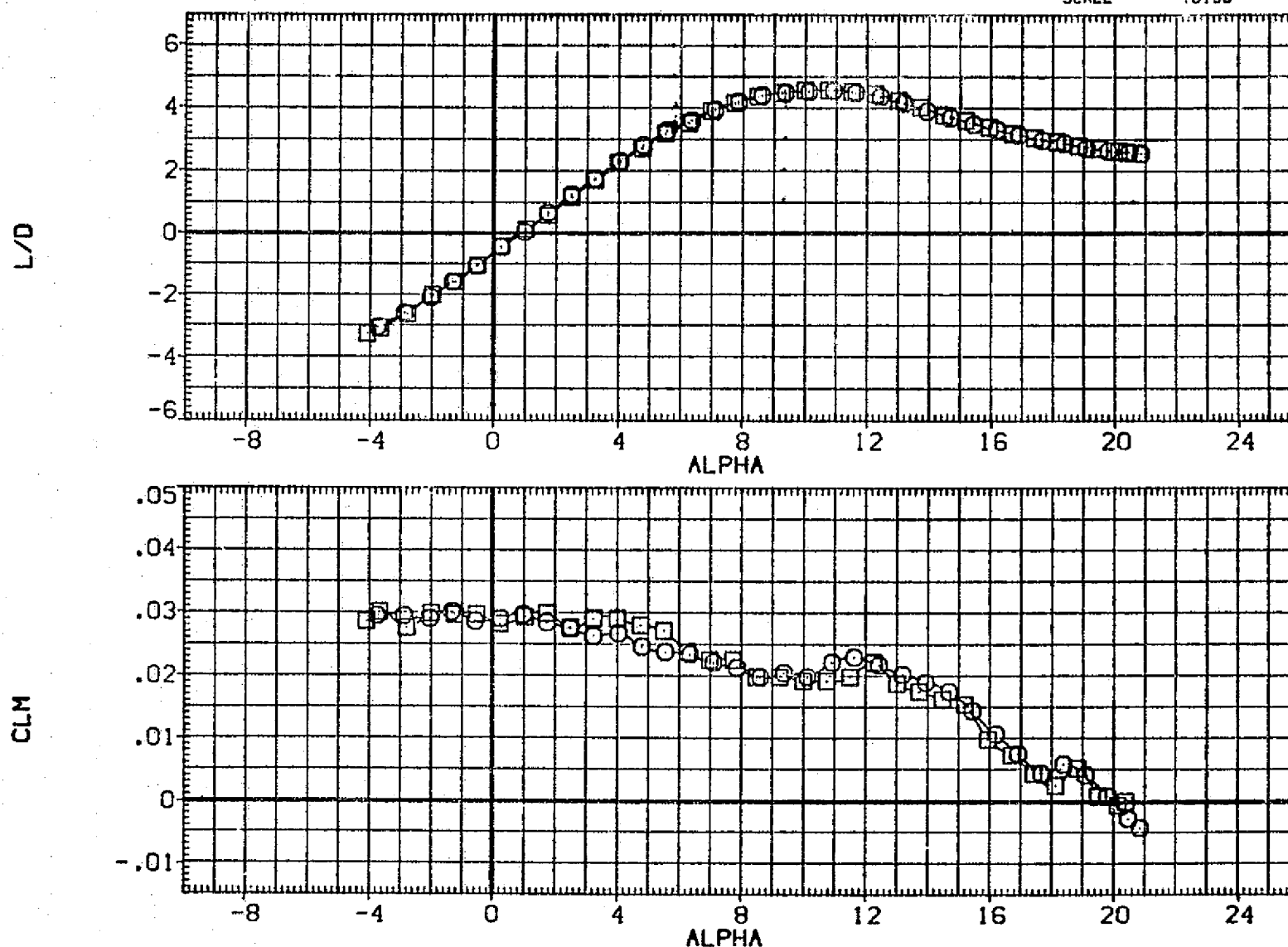


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0010)	LA67 (LTV 552) ORBITER 49-0
(SF0015)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
5.000	120.000
5.000	.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ. FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

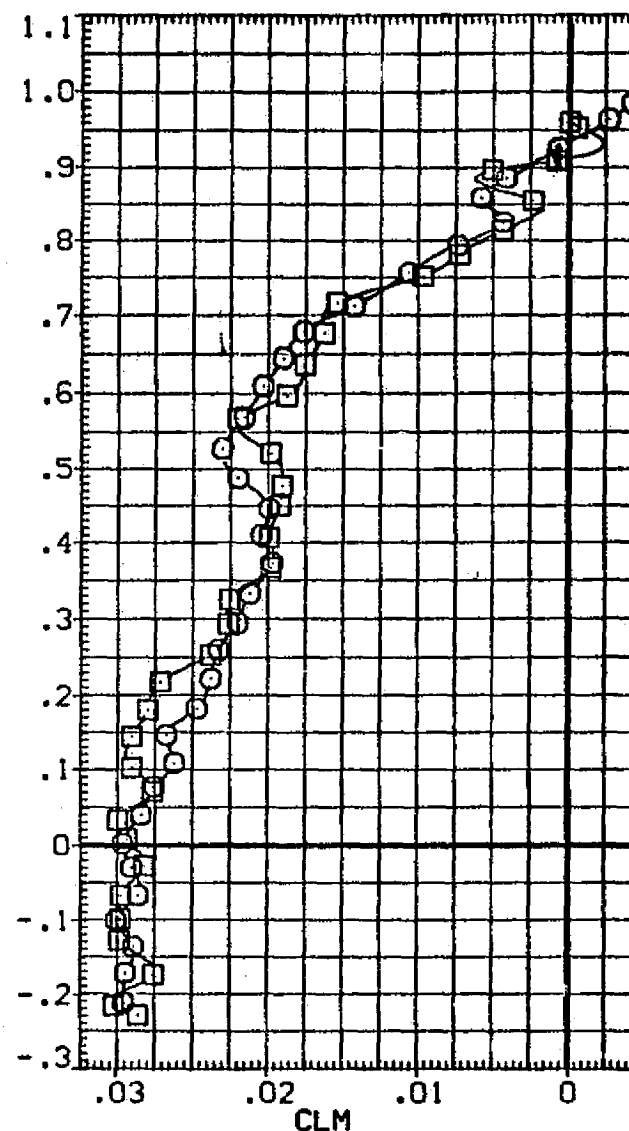
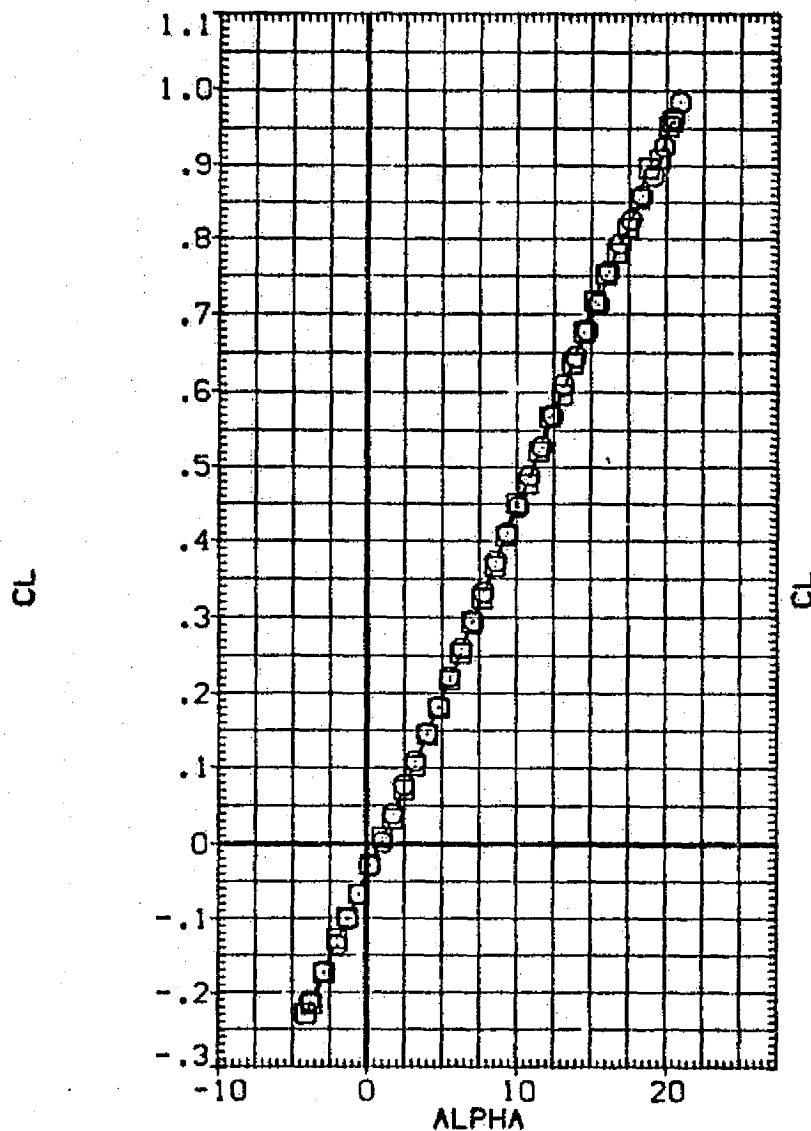


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010) □	LA67 (LTV 552) ORBITER 49-0
(AFD015) □	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNG
5.000	120.000
5.000	.000

REFERENCE INFORMATION		
SREF	265.0000	IN. FT.
LREF	474.0000	INCHES
BREF	935.0000	INCHES
XMRP	107.0000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

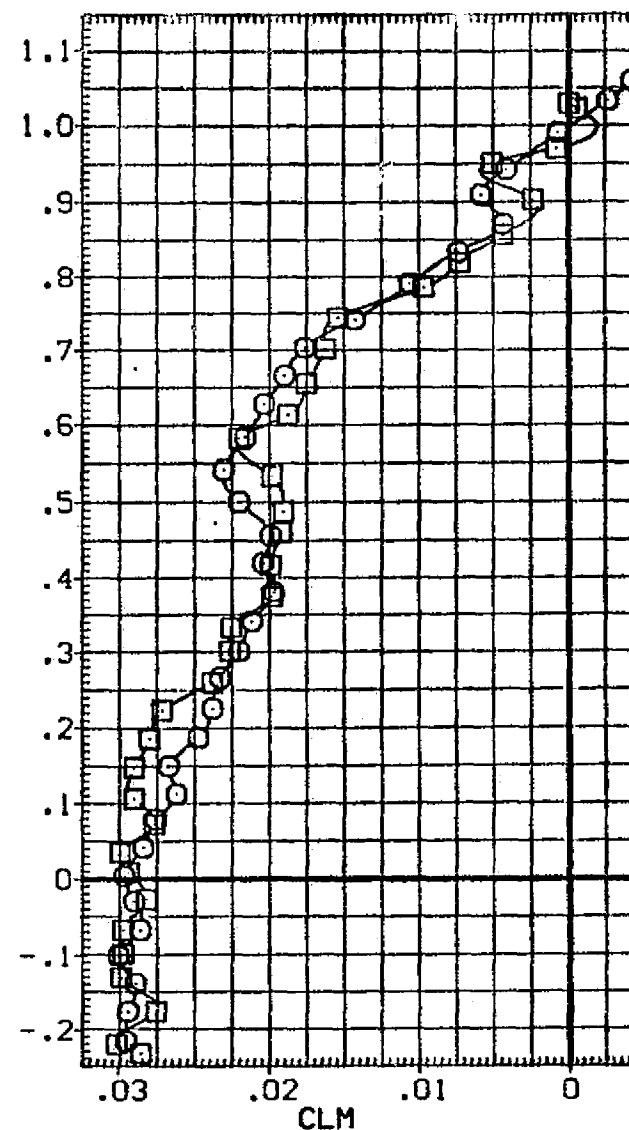
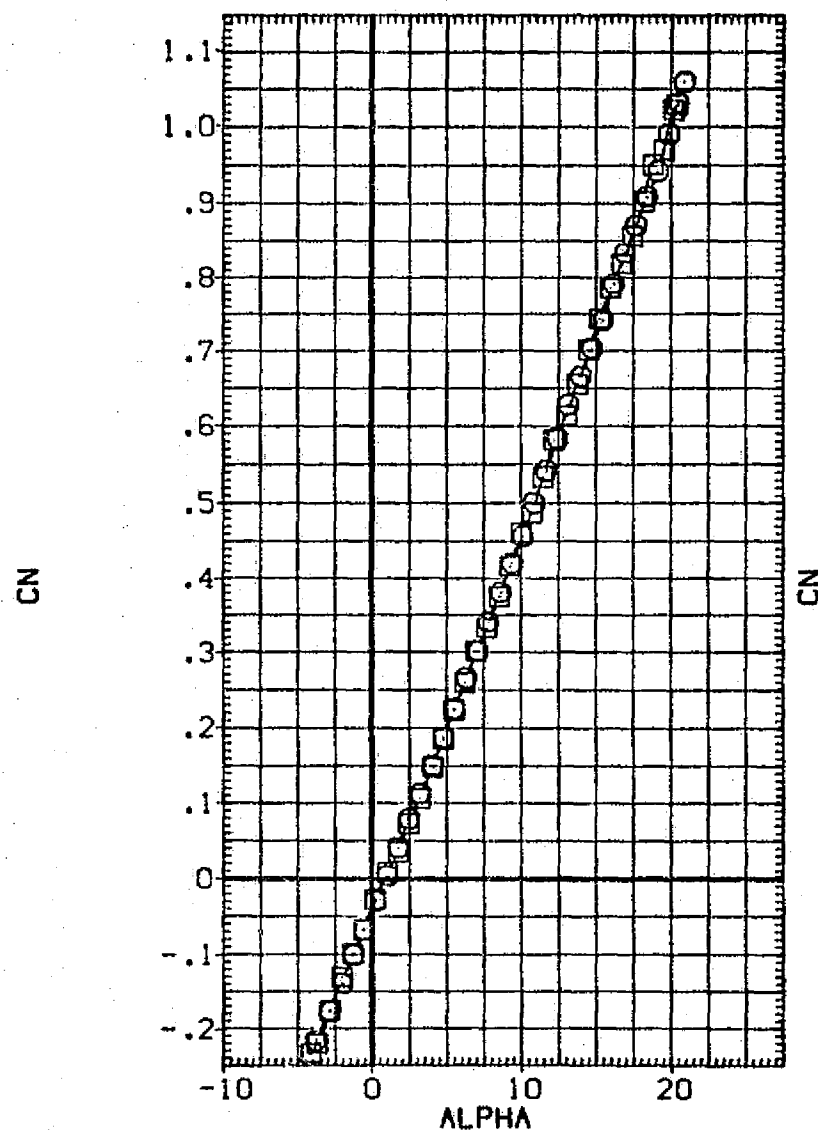


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	LA67 (LTV 552) ORBITER 49-0
(AFD015)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
5.000	120.000
5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

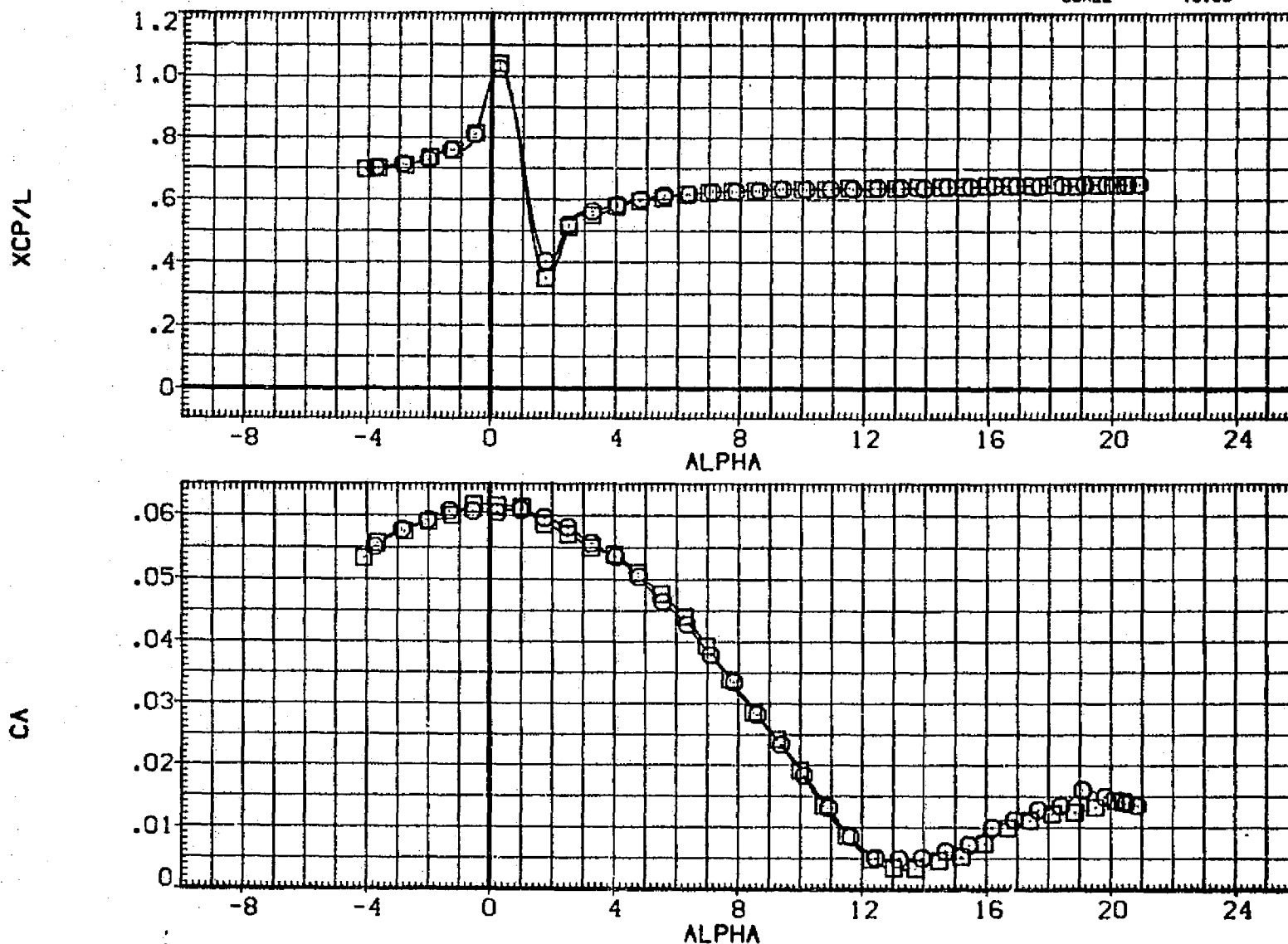


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	LA67 (LTV 552) ORBITER 49-0
(AFD015)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
5.000	120.000
5.000	.000

REFERENCE INFORMATION		
SREF	269.0000	SO. FT.
LREF	47.6000	INCHES
BREF	939.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

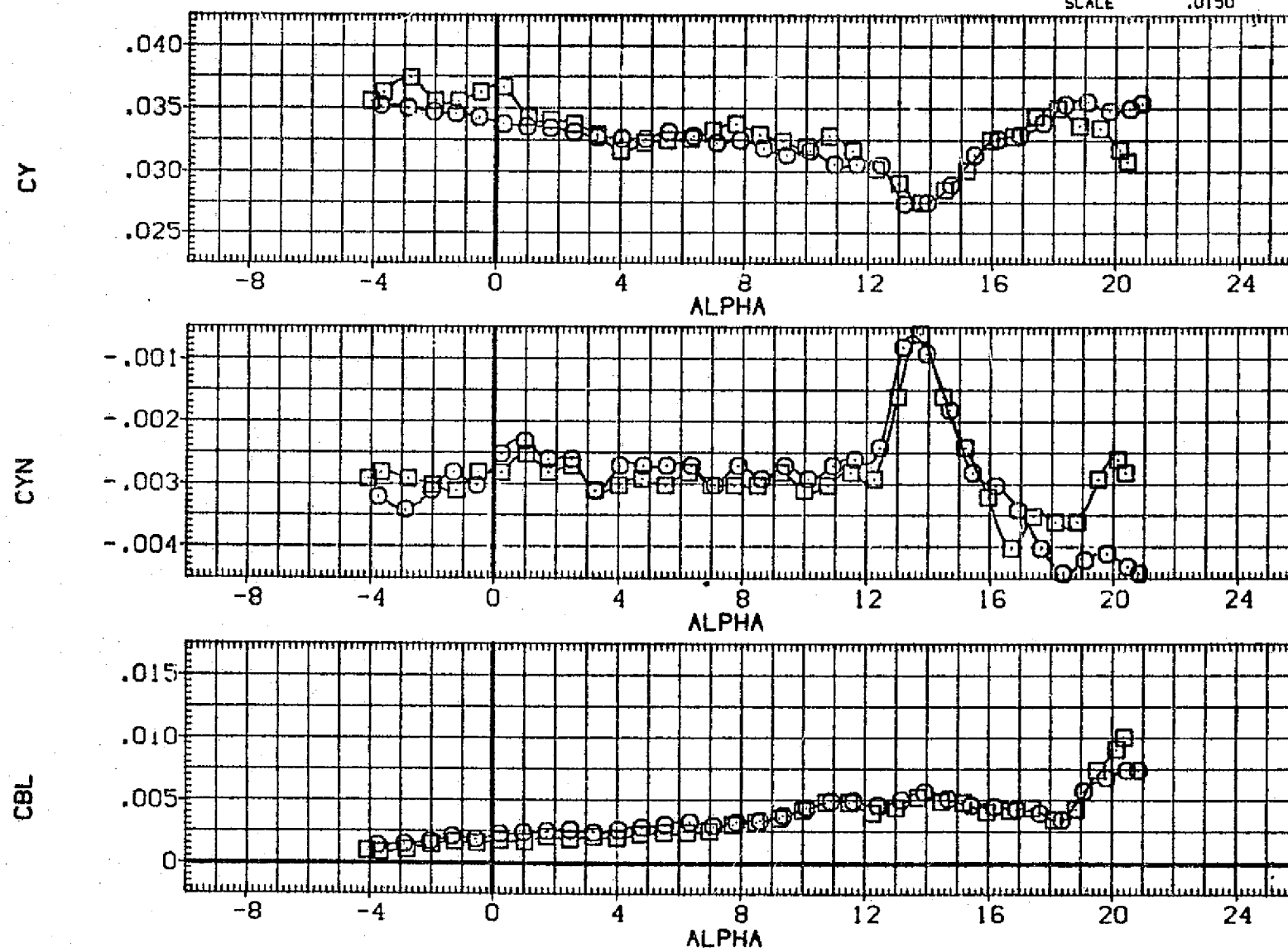


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD010)	LA67 (LTV 552) ORBITER 49-0
(AFD015)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITND
5.000	120.000
5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

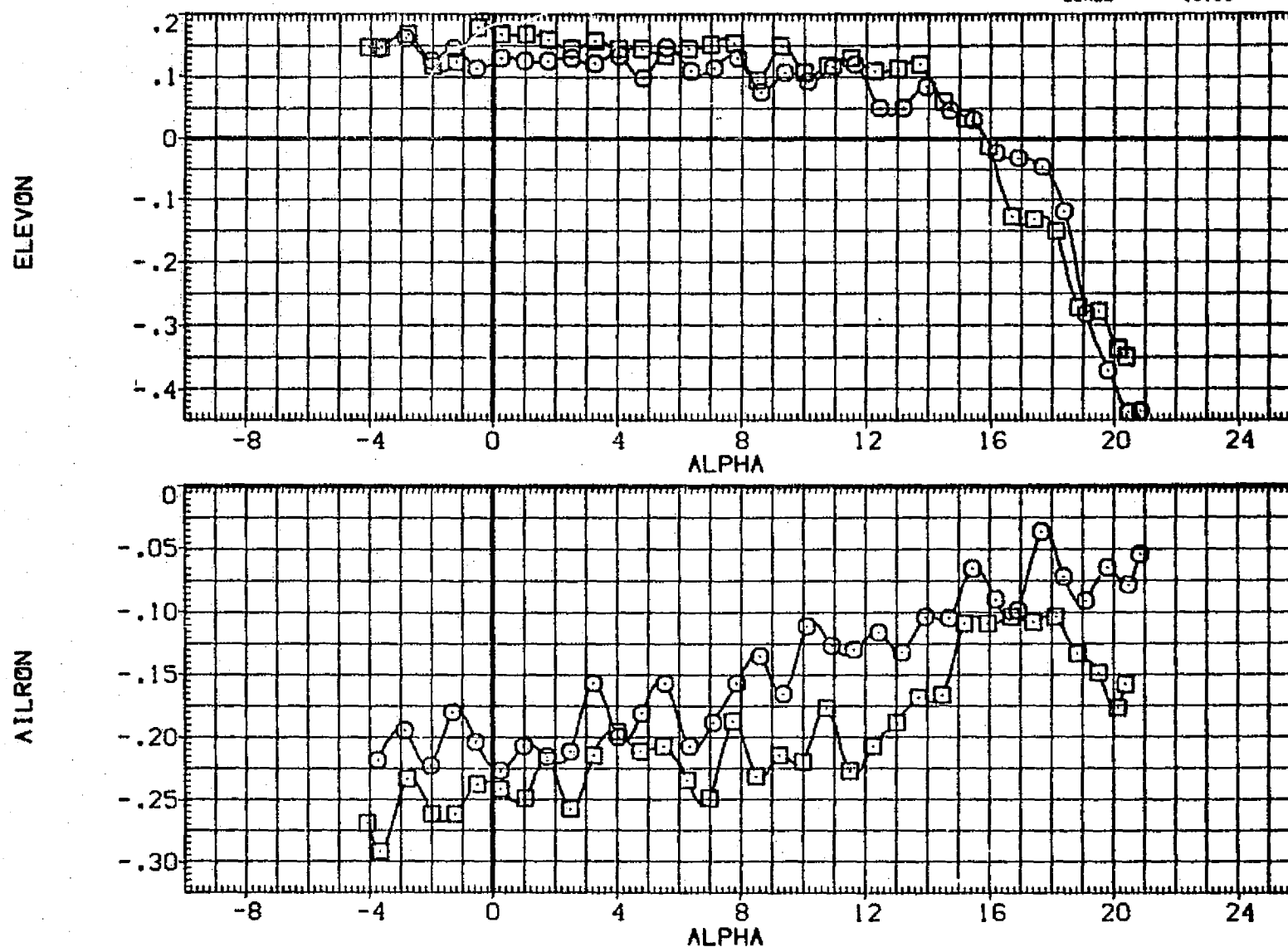


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0011)	LA67 (LTV 552) ORBITER 49-0
(YF0016)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRIT NO
6.000	120.000
6.000	.000

REFERENCE INFORMATION		
SREF	26.0000	50. FT.
LREF	171.8000	INCHES
BREF	156.7000	INCHES
XMRF	1076.7000	IN. X
YMRF	.0000	IN. Y
ZMRF	375.0000	IN. Z
SCALE	.0150	

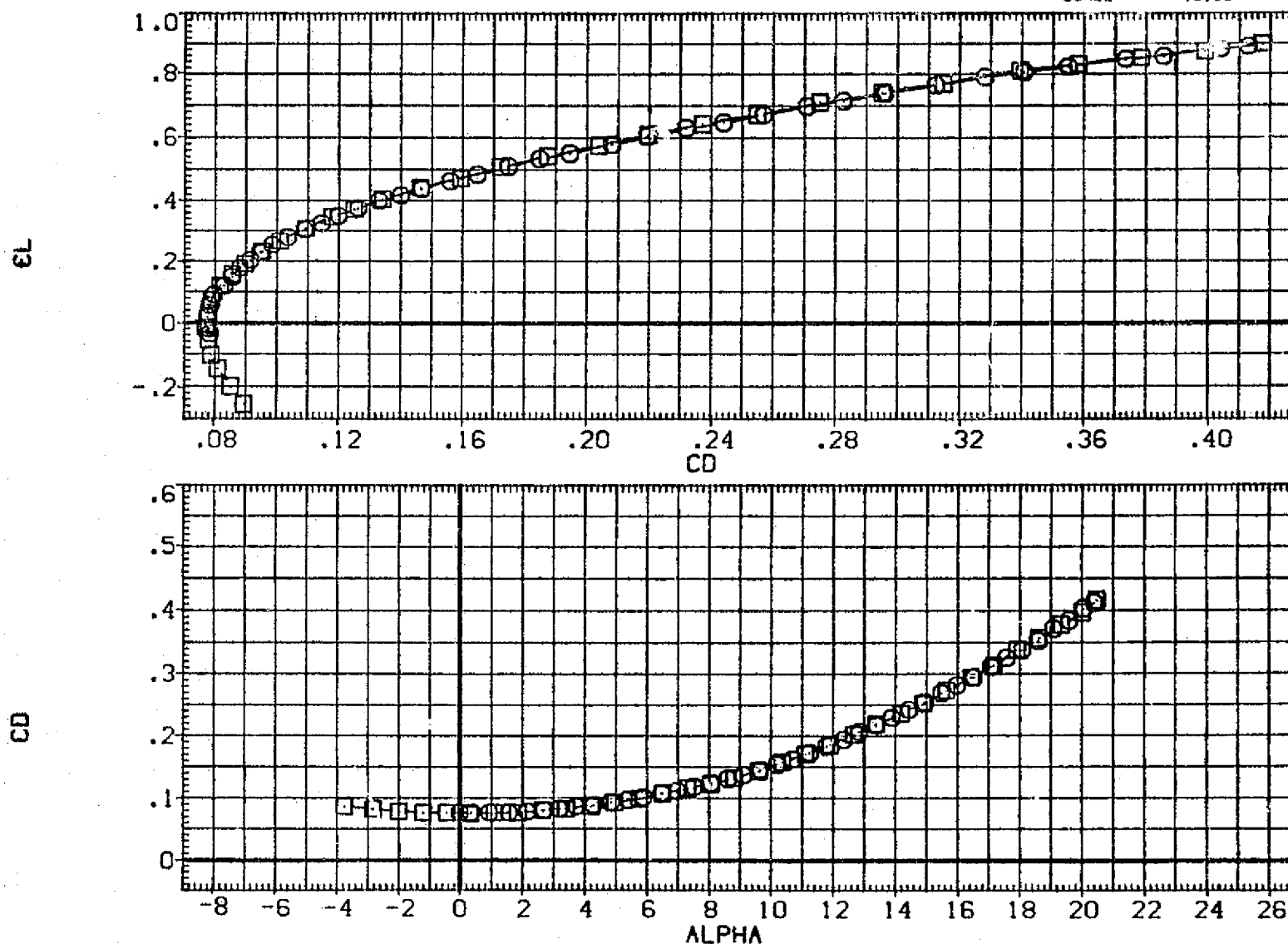


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A) MACH = .90

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DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(SFD011)	□	LA67 (LTV 552) ORBITER 49-0
(YFD016)	□	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

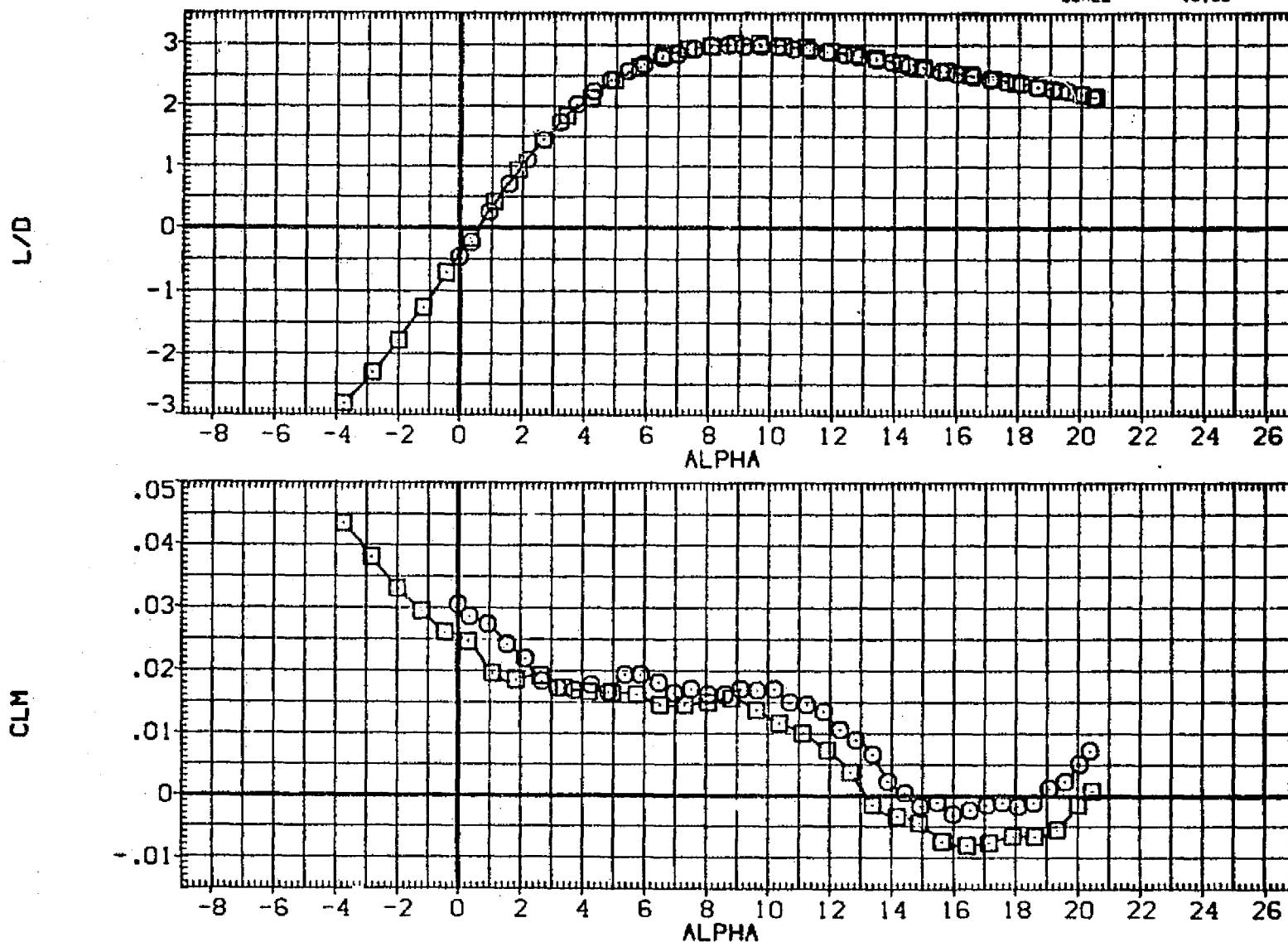


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(SFD011)	LA67 (LTV 552)	ORBITER 49-0
(YFD016)	LA67 (LTV 552)	ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SO. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	.076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.8000	IN. Z0
SCALE	.0150	

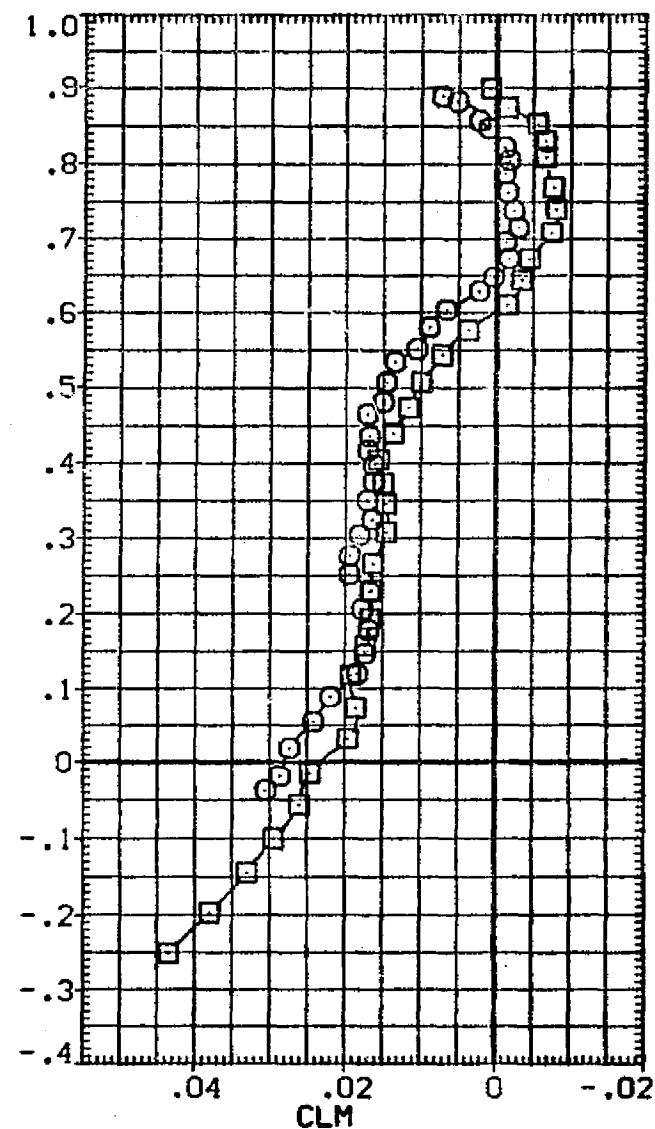
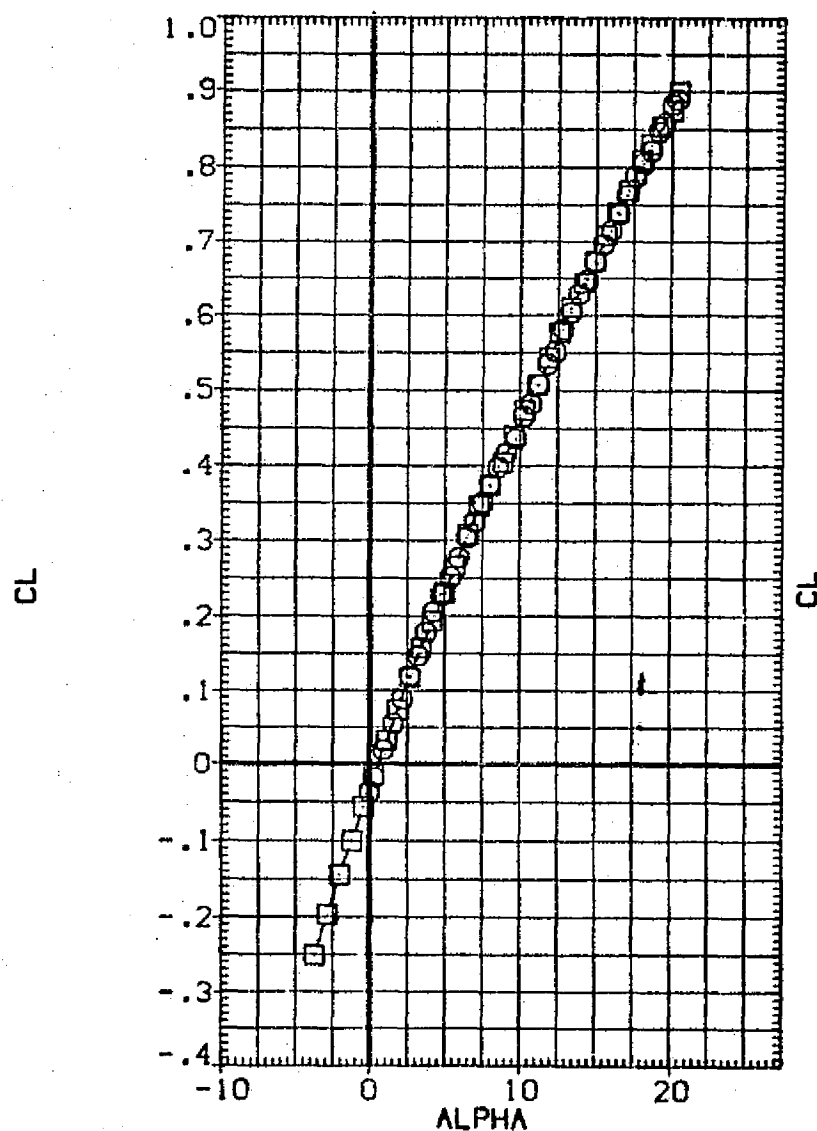


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD011) \square	LA67 (LTV 552) ORBITER 49-0
(AFD016) \square	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

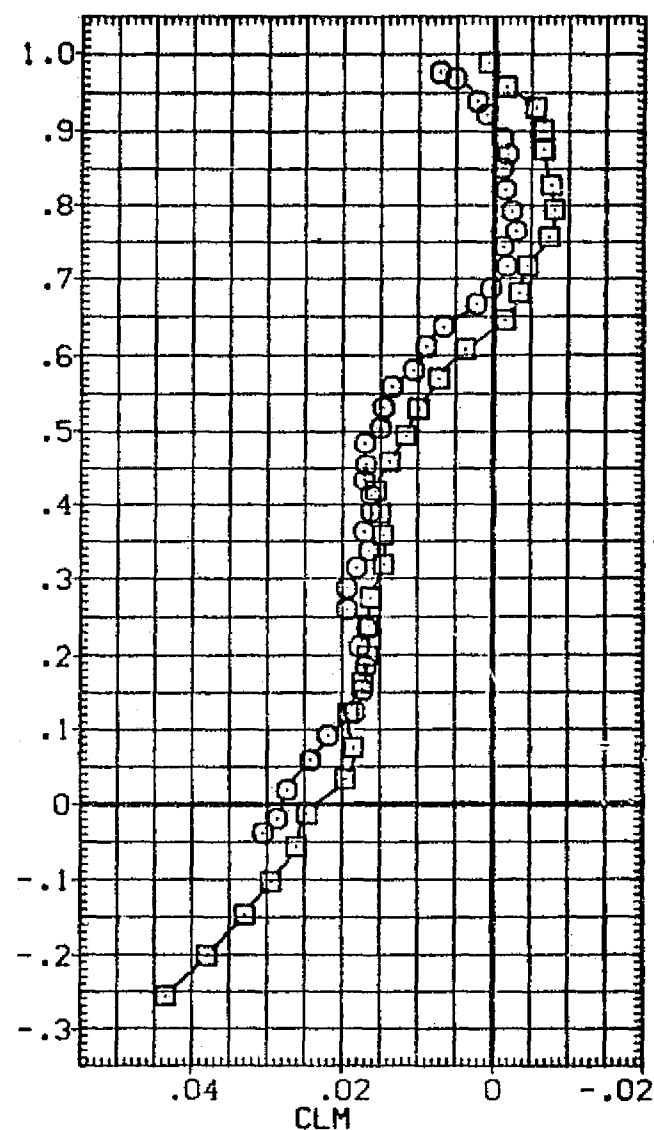
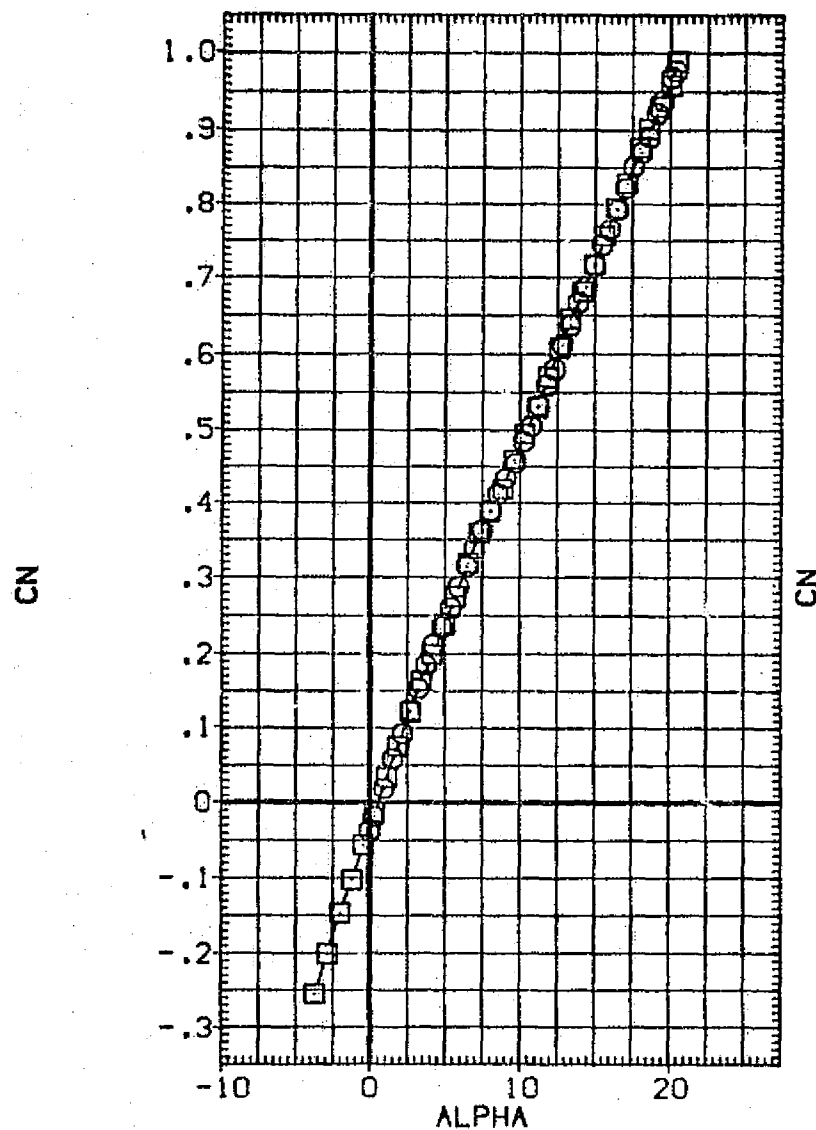


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD011)	LA67 (LTV 552) ORBITER 49-0
(AFD016)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION	
SREF	300.0000 IN. FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XP/P	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

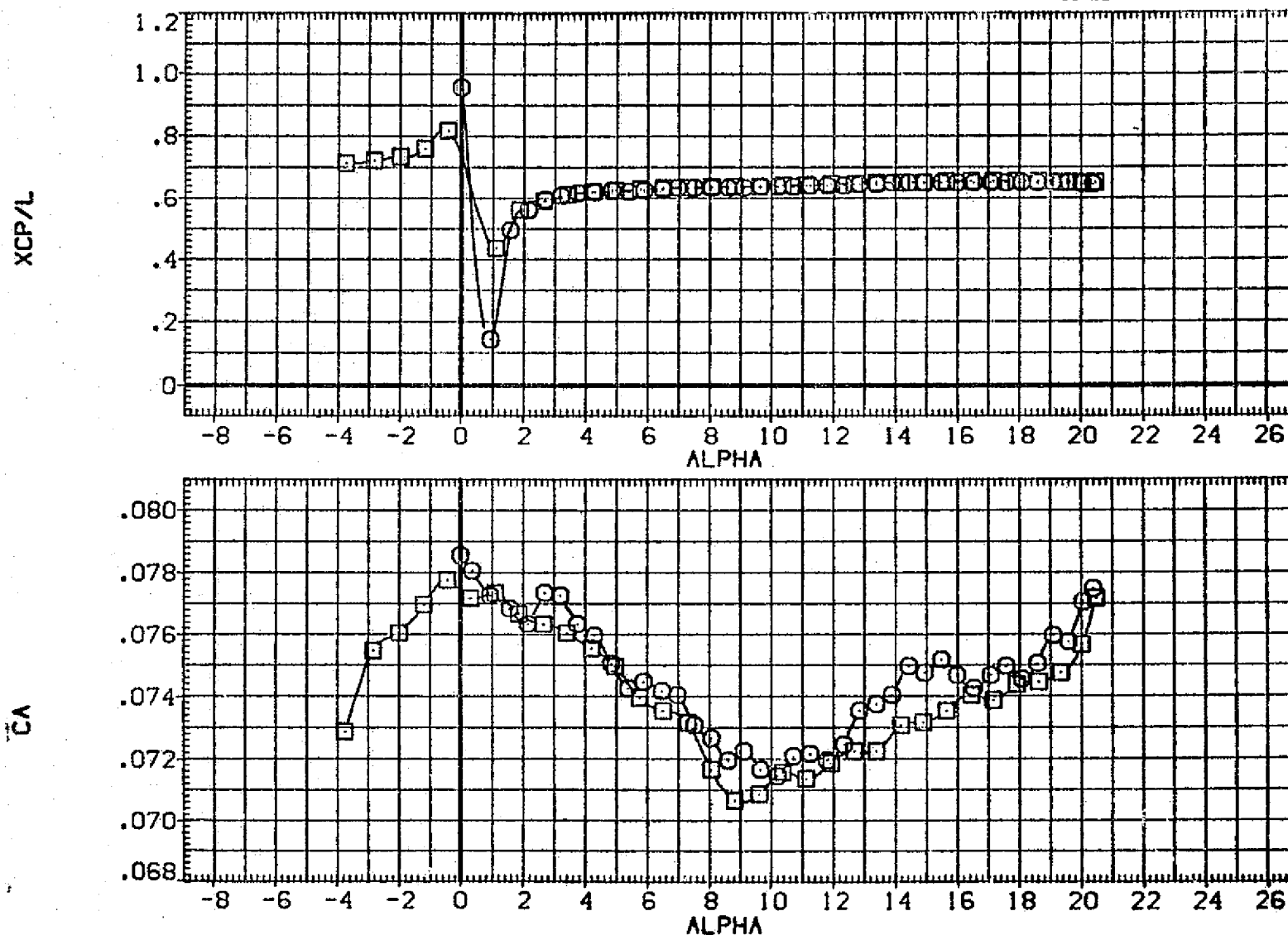


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD011)	LAG7 (LTV 552) ORBITER 49-0
(AFD016)	LAG7 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION	
SREF	2690.0000 50.FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

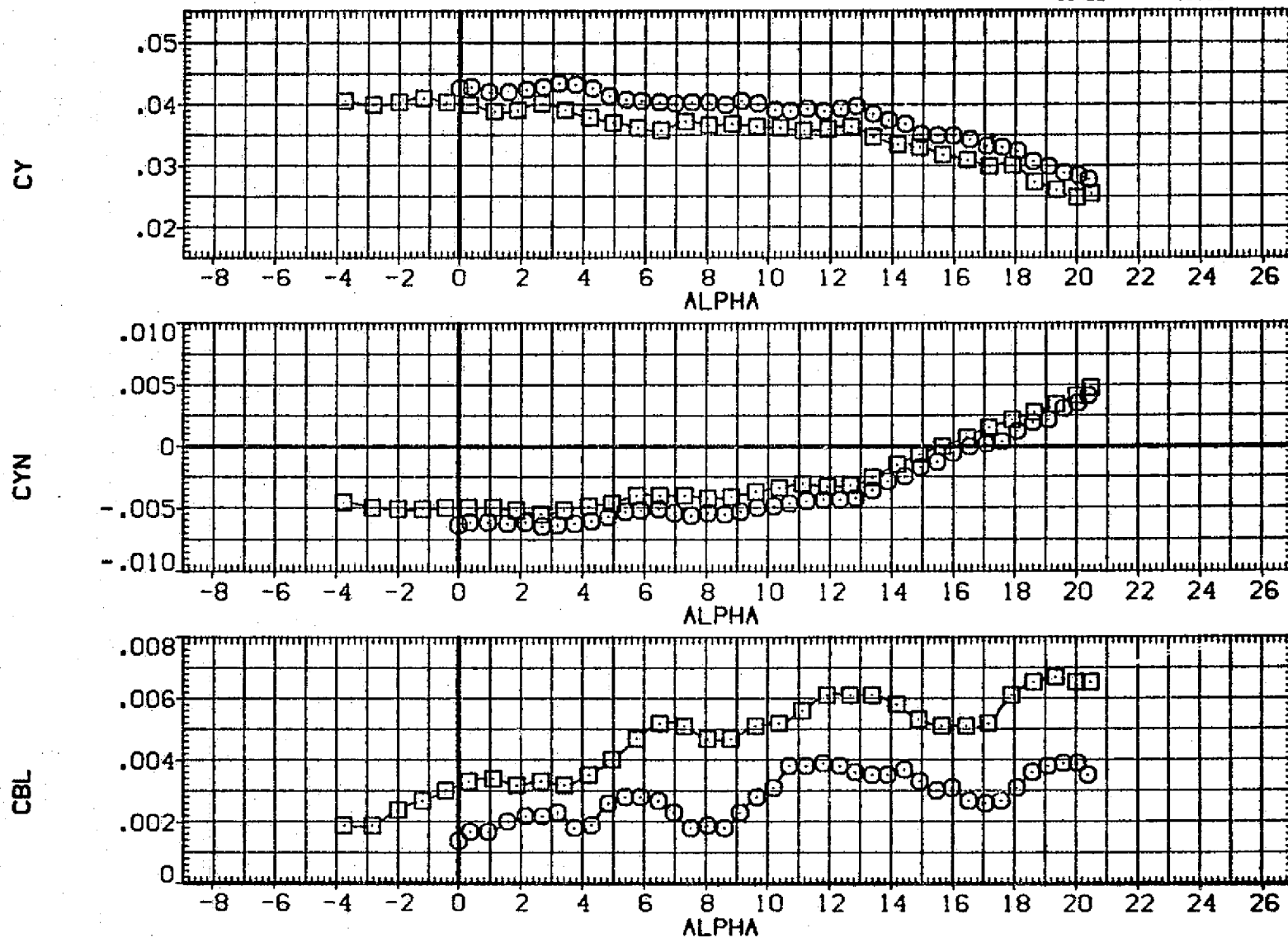


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFDD11)	LA67 (LTV 552) ORBITER 49-0
(AFDD16)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ. FT.
LREF	474.9000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

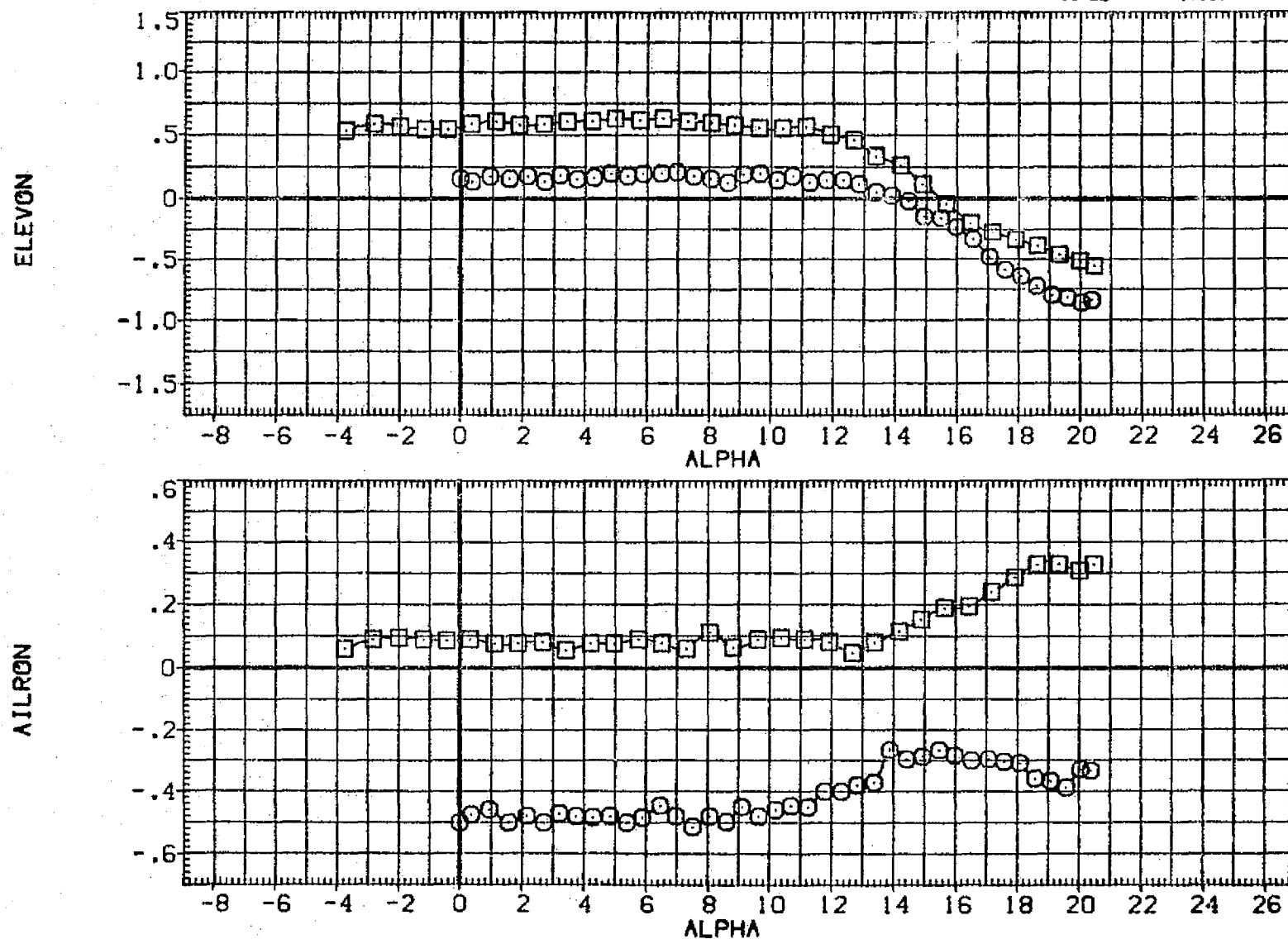


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0011)	LA67 (LTV 552) ORBITER 49-0
(SF0016)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ. FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

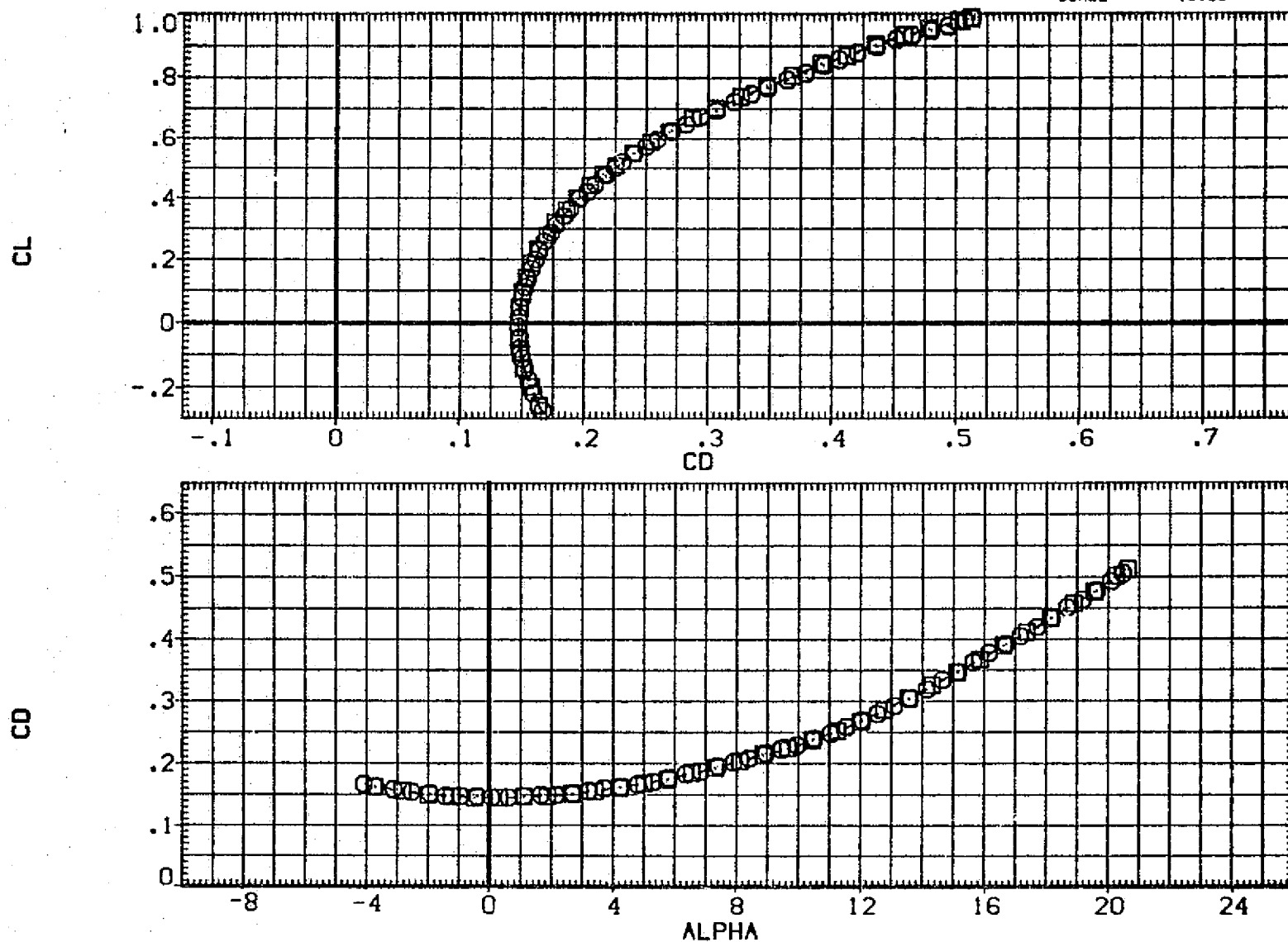


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD011)	LA67 (LTV 552) ORBITER 49-0
(SFD016)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION	
SREF	2010.0000 SQ.FT.
LREF	471.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

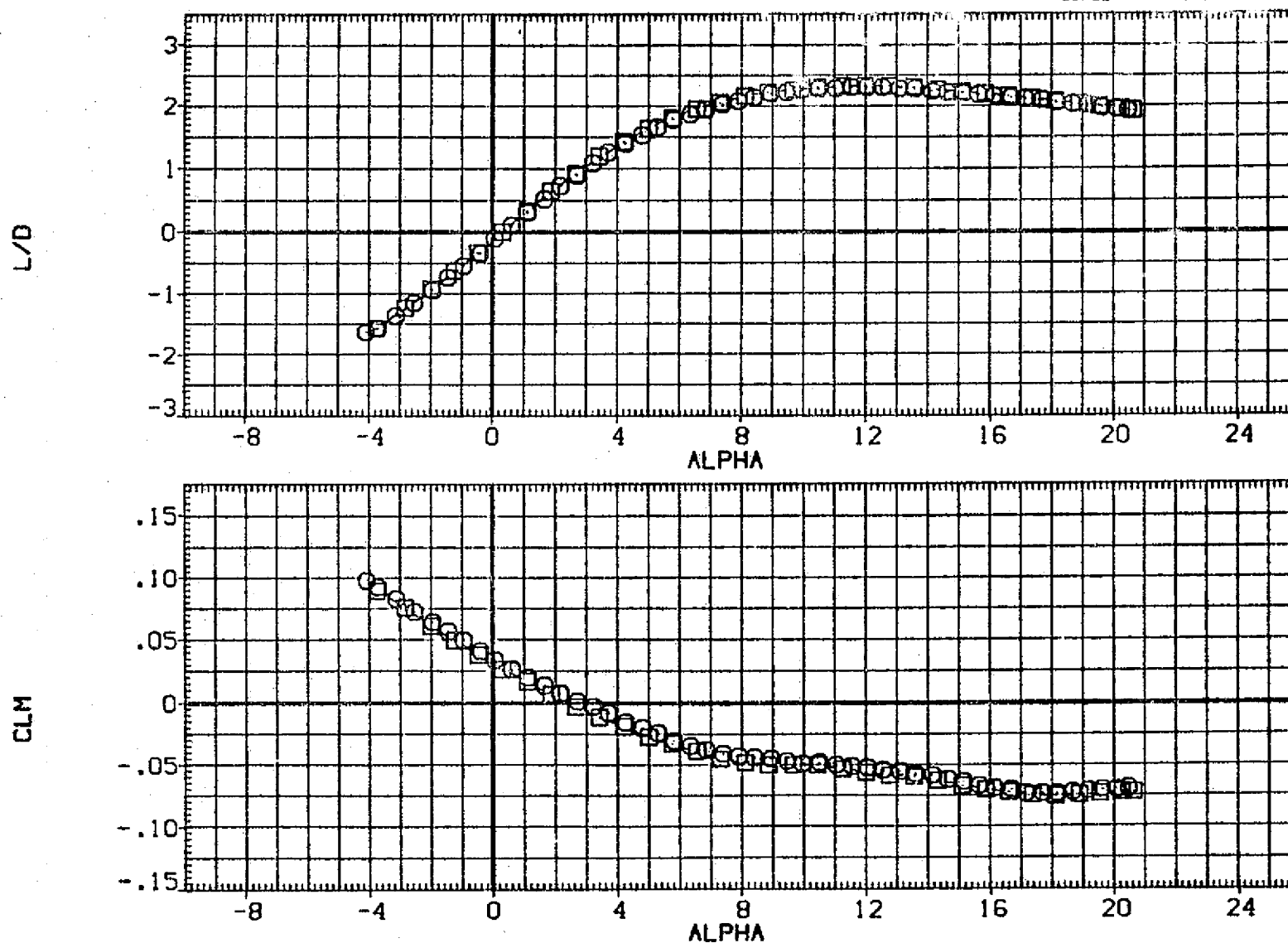


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD011)	LA67 (LTV 552) ORBITER 49-0
(SFD016)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

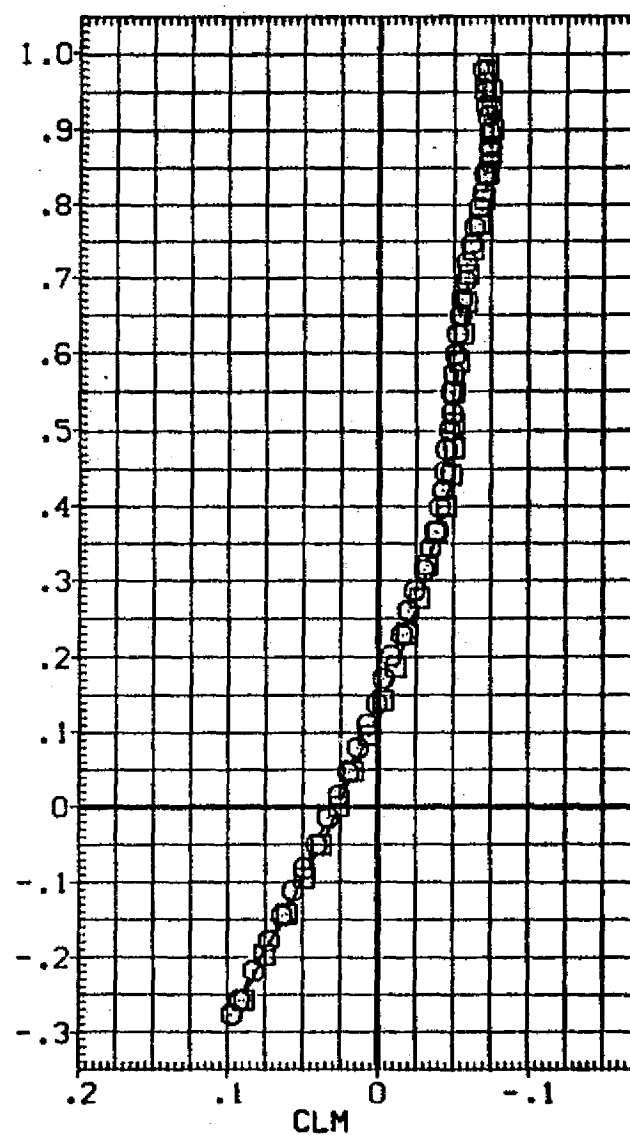
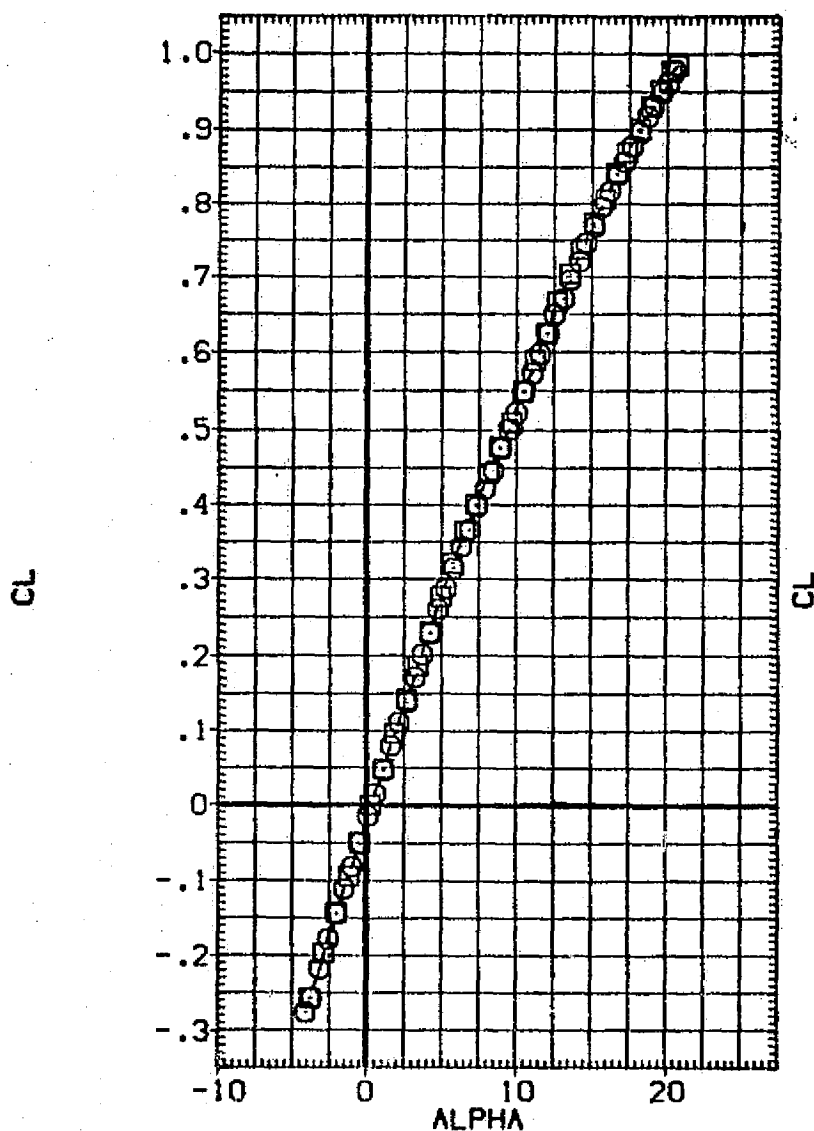


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD011)	LA67 (LTV 552) ORBITER 49-0
(AFD016)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION		
SREF	261.0000	50. FT.
LREF	474.8000	INCHES
BREF	958.7000	INCHES
XMRP	1078.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

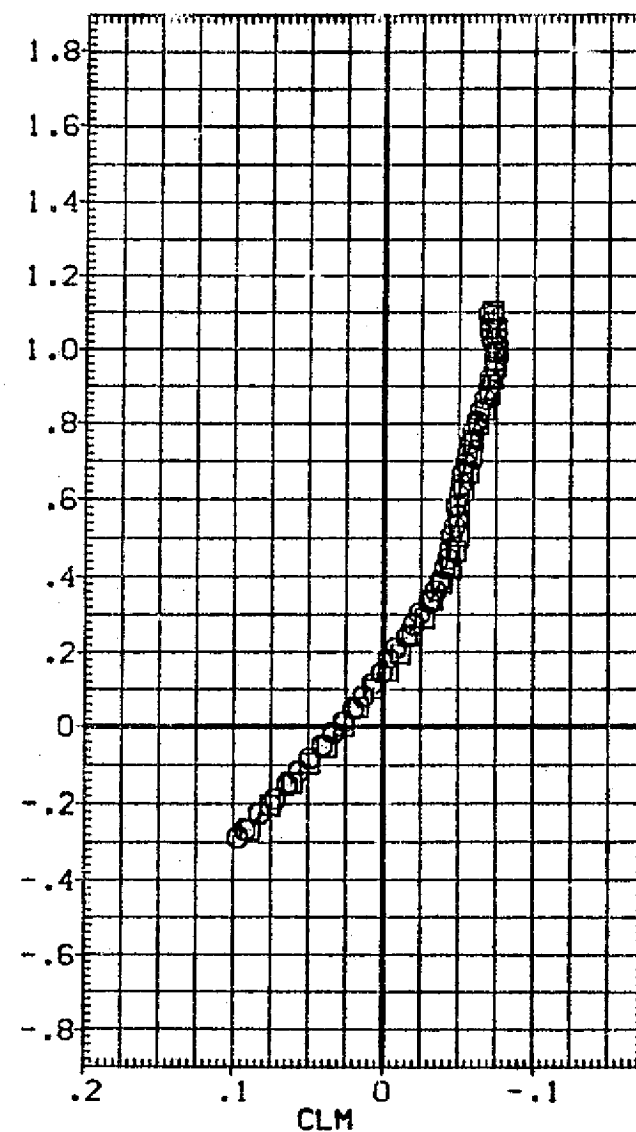
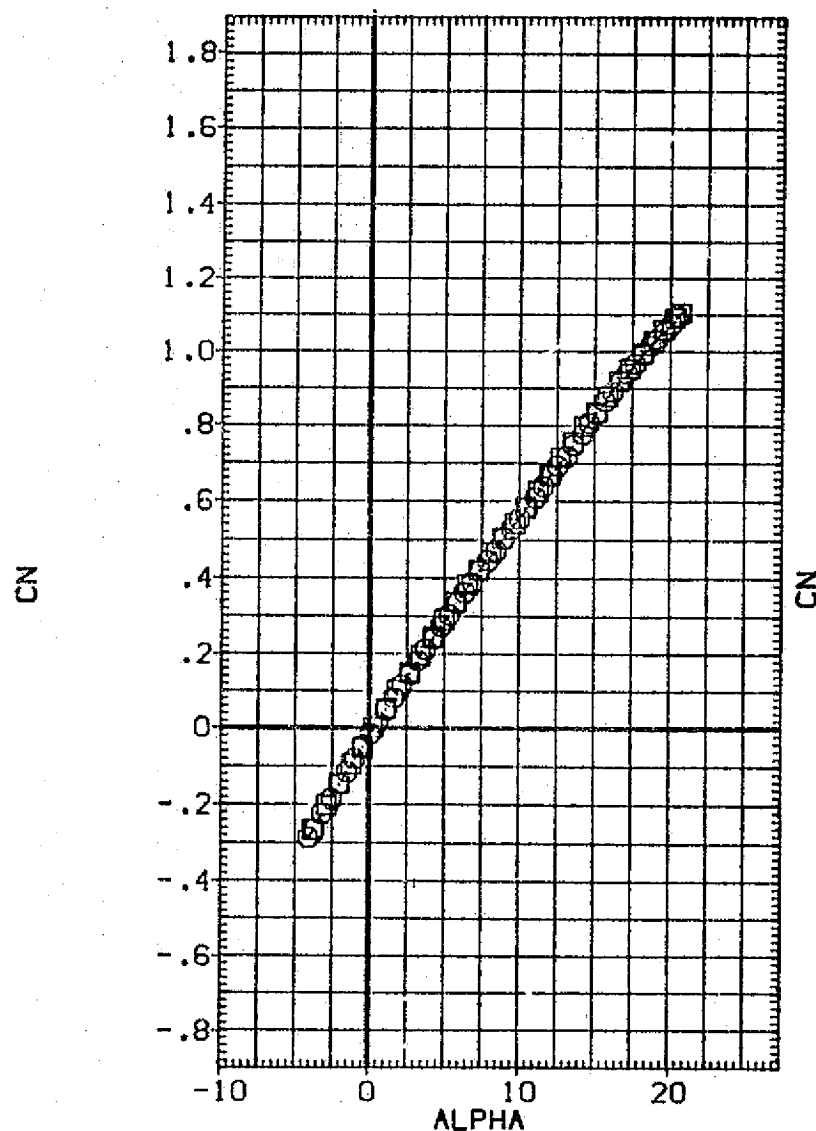


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD011)	LA67 (LTV 552) ORBITER 49-0
(AFD016)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

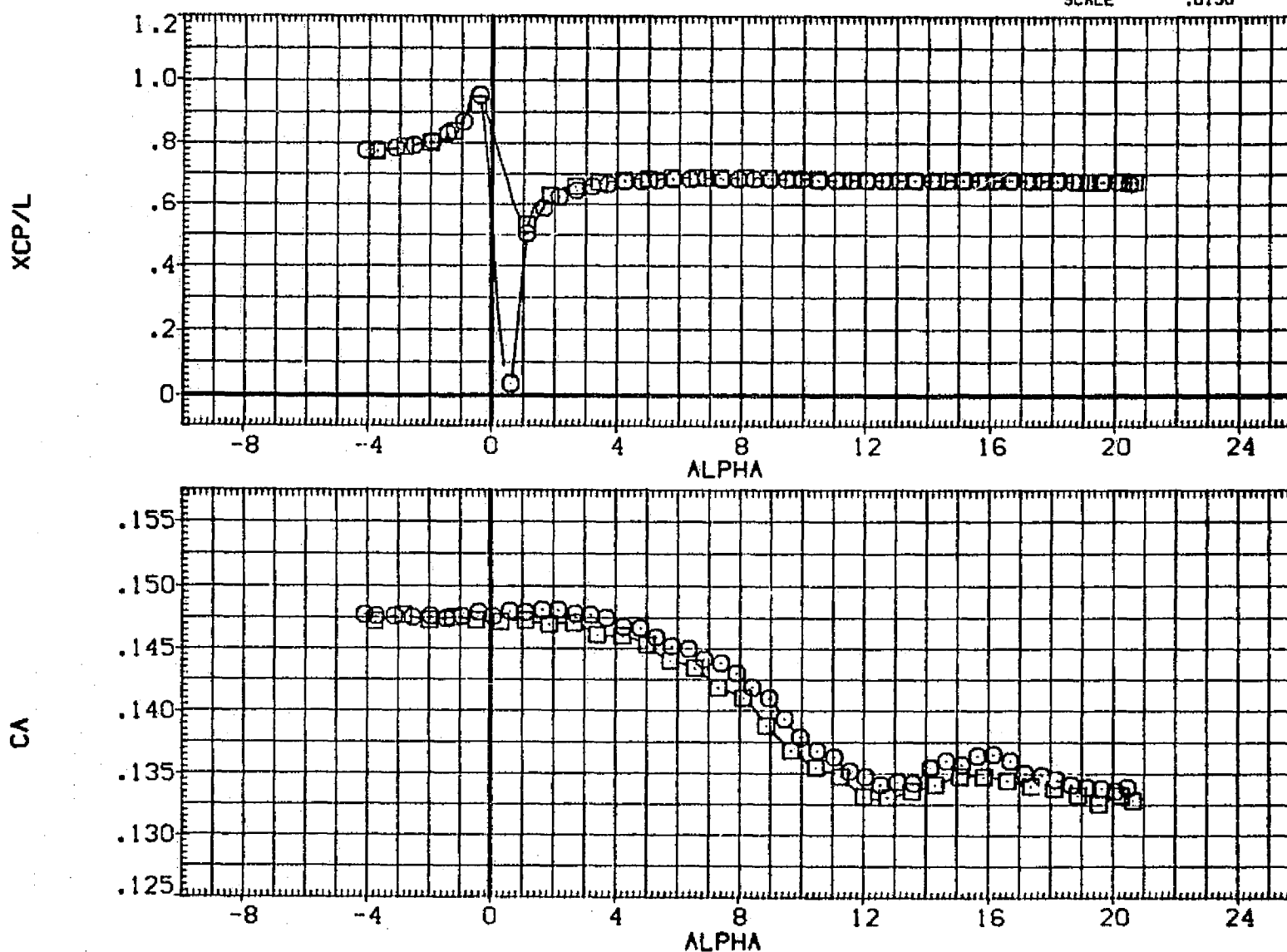


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD011)	LA67 (LTV 552)	ORBITER 49-0
(AFD016)	LA67 (LTV 552)	ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION	
SREF	2690.0000
LREF	474.8000
BREF	90.7000
XMRP	1075.7000
YMRP	.0000
ZMRP	375.0000
SCALE	.0150

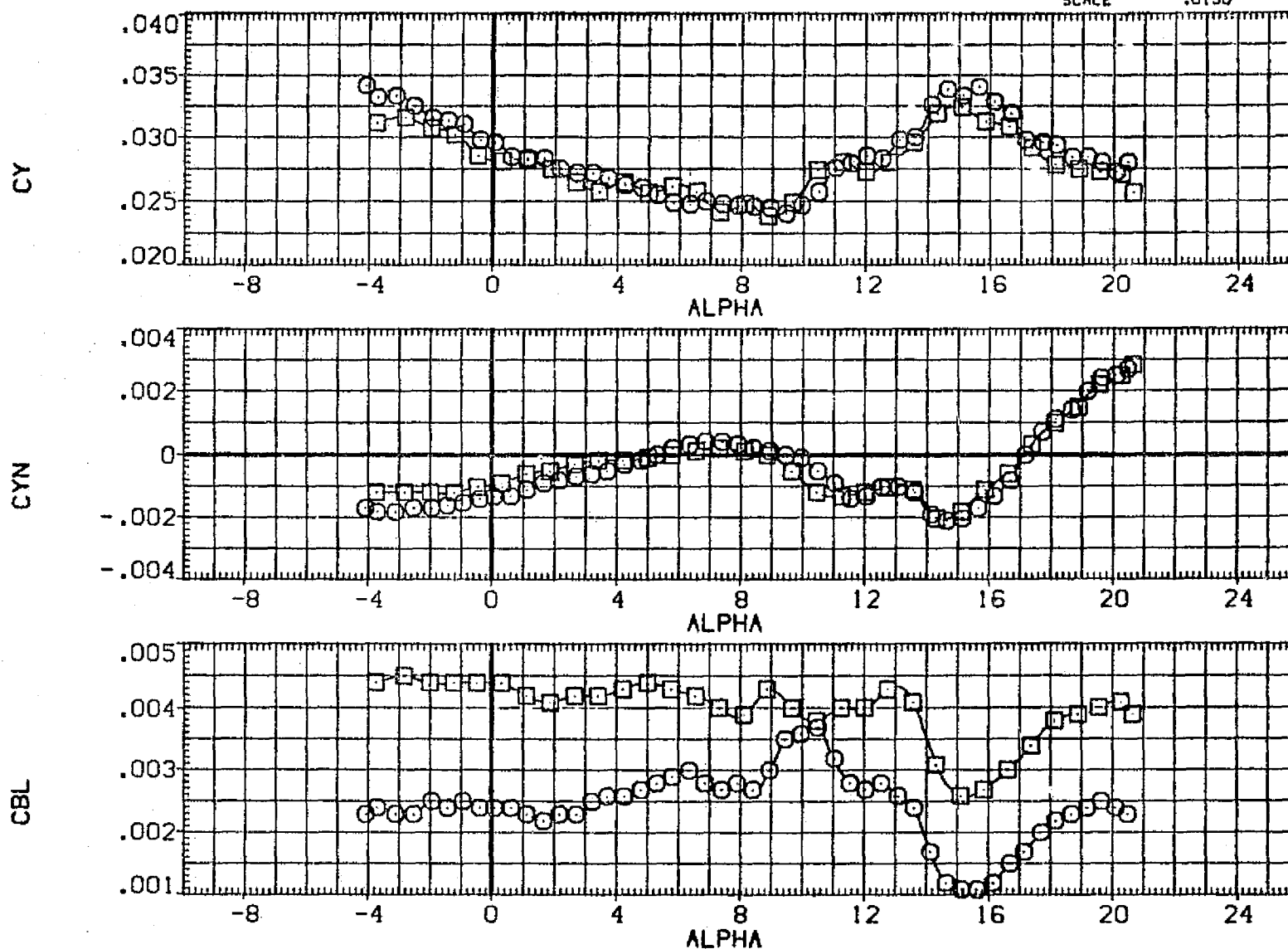


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD011)	LA67 (LTV 552) ORBITER 49-0
(AFD016)	LA67 (LTV 552) ORBITER 49-0

RN/L	GRITNO
6.000	120.000
6.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

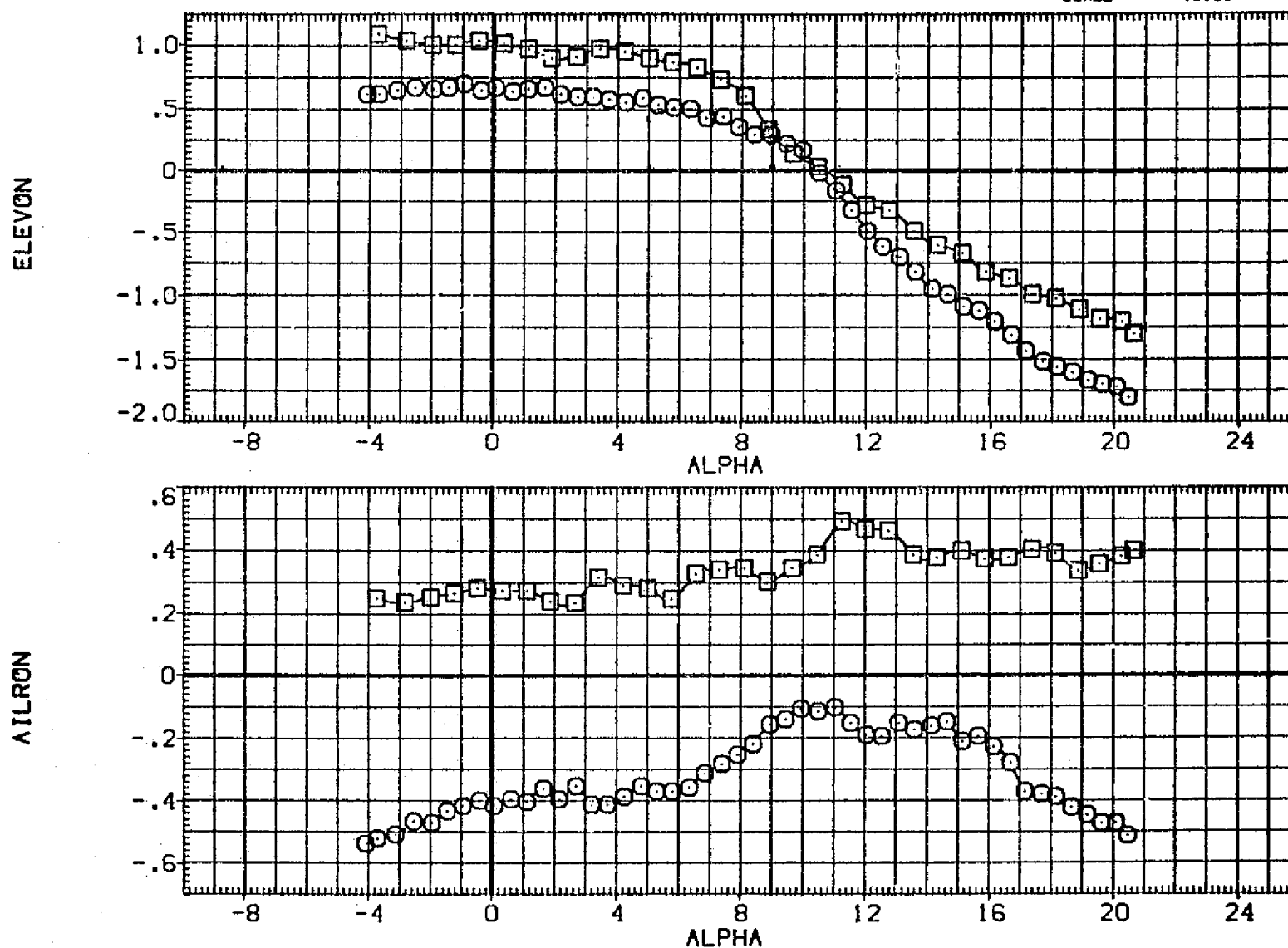


FIG. 11 EFFECT OF GRIT ON BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0006)	LA67 (LTV 552) ORBITER 49-0
(SF0008)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SP0BRK	REFERENCE INFORMATION
.000	5.000	.000	25.000	SREF 2680.0000 SQ. FT.
1.000	5.000	.000	25.000	LREF 474.8000 INCHES
				BREF 336.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

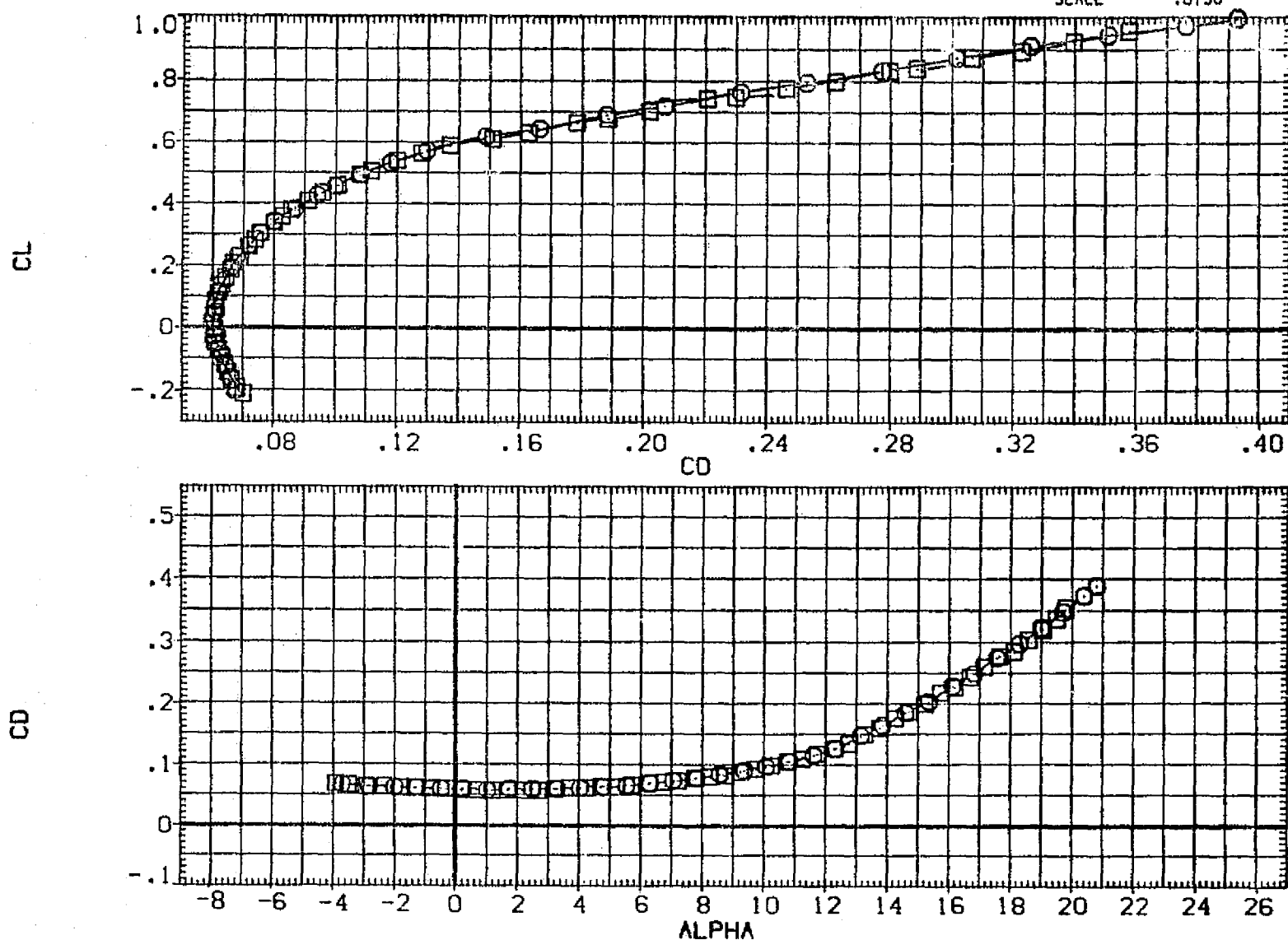




FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (SFD006)  LA67 (LTV 552) ORBITER 49-0
 (SFD008)  LA67 (LTV 552) ORBITER 49-0

RCSP05 RN/L BETA SP0BRK
 .000 5.000 .000 25.000
 1.000 3.000 .000 25.000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 474.8000 INCHES
 BREF 936.7000 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

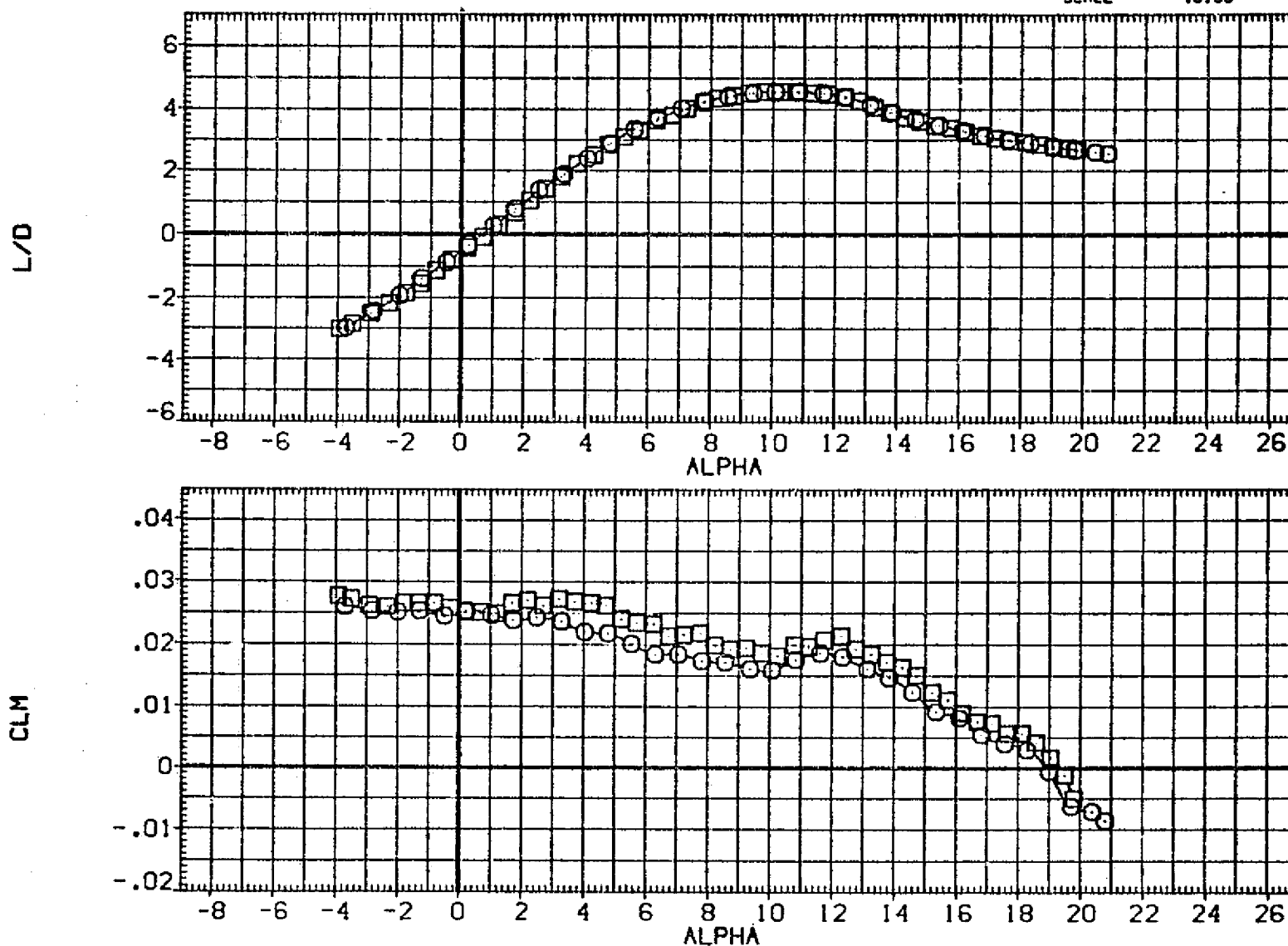


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD006)	LA67 (LTV 552) ORBITER 49-0
(SFD008)	LA67 (LTV 552) ORBITER 49-0

RCSPDS	RN/L	BETA	SPOBRK	REFERENCE INFORMATION		
.000	5.000	.000	25.000	SREF	4690.0000	50. FT.
1.000	5.000	.000	25.000	LREF	474.6000	INCHES
				BREF	900.7000	INCHES
				XMMP	1076.7000	IN. X0
				YMMP	.0000	IN. Y0
				ZMMP	375.0000	IN. Z0
				SCALE	.0150	

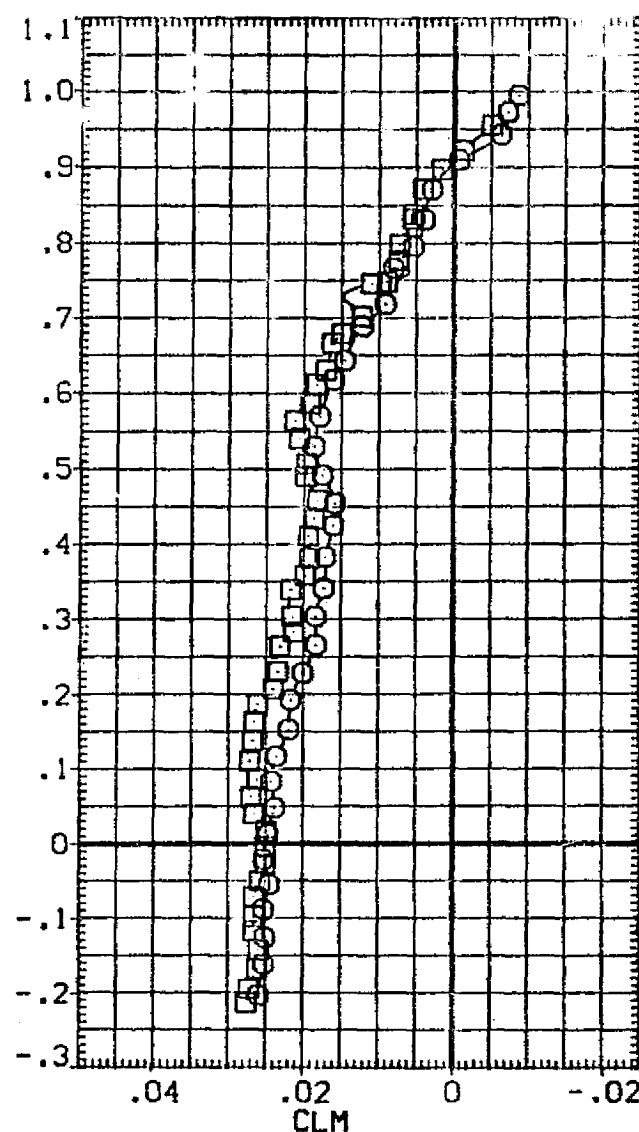
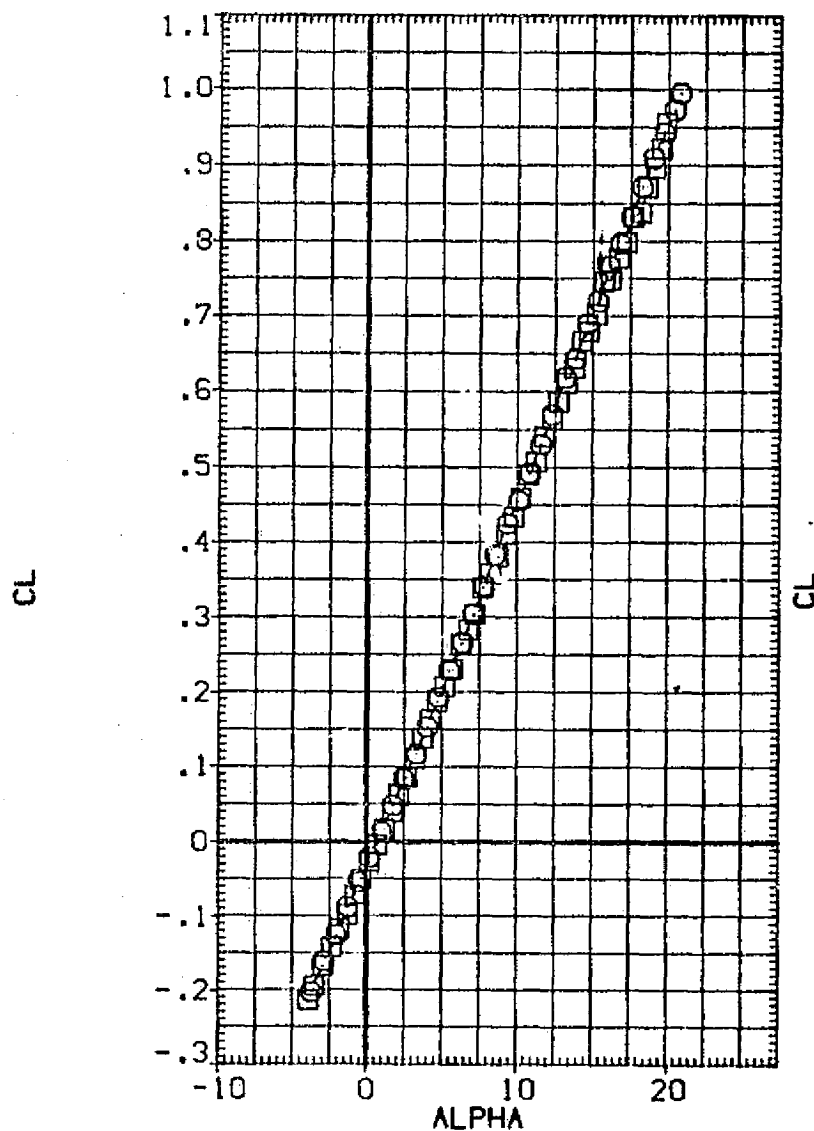


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD006) ○	LA67 (LTV 552) ORBITER 49-0
(AFD008) □	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SP0BRK	REFERENCE INFORMATION	
.000	5.000	.000	25.000	SREF 2690.0000	50. FT.
1.000	5.000	.000	25.000	LREF 474.8000	INCHES
				BREF 936.7000	INCHES
				XMRP 1076.7000	IN. X0
				YMRP .0000	IN. Y0
				ZMRP 375.0000	IN. Z0
				SCALE .0150	

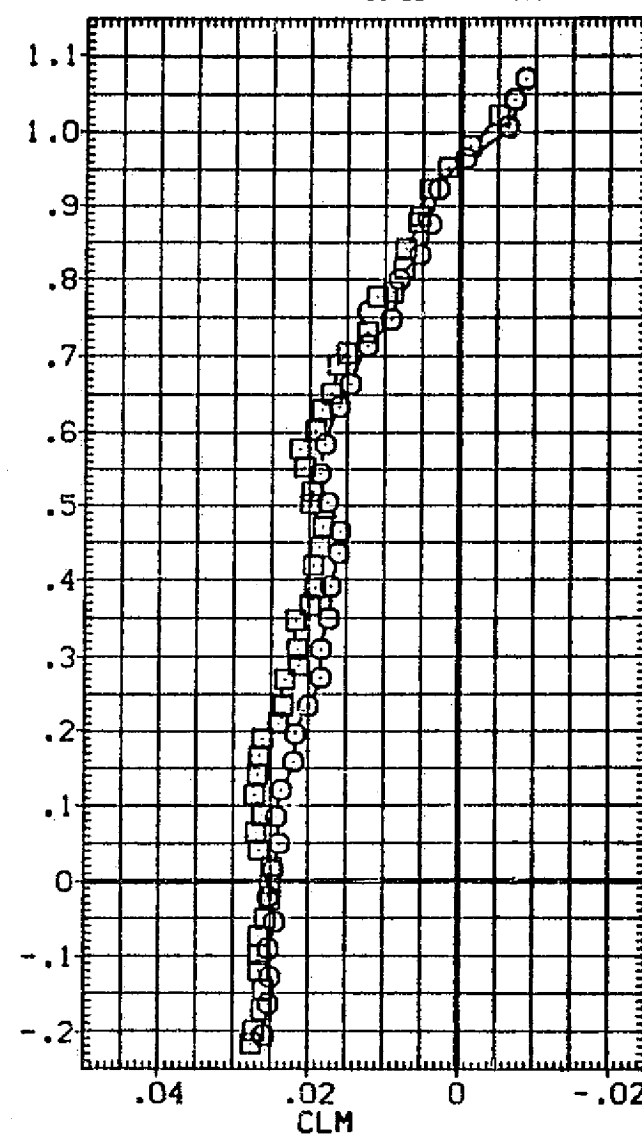
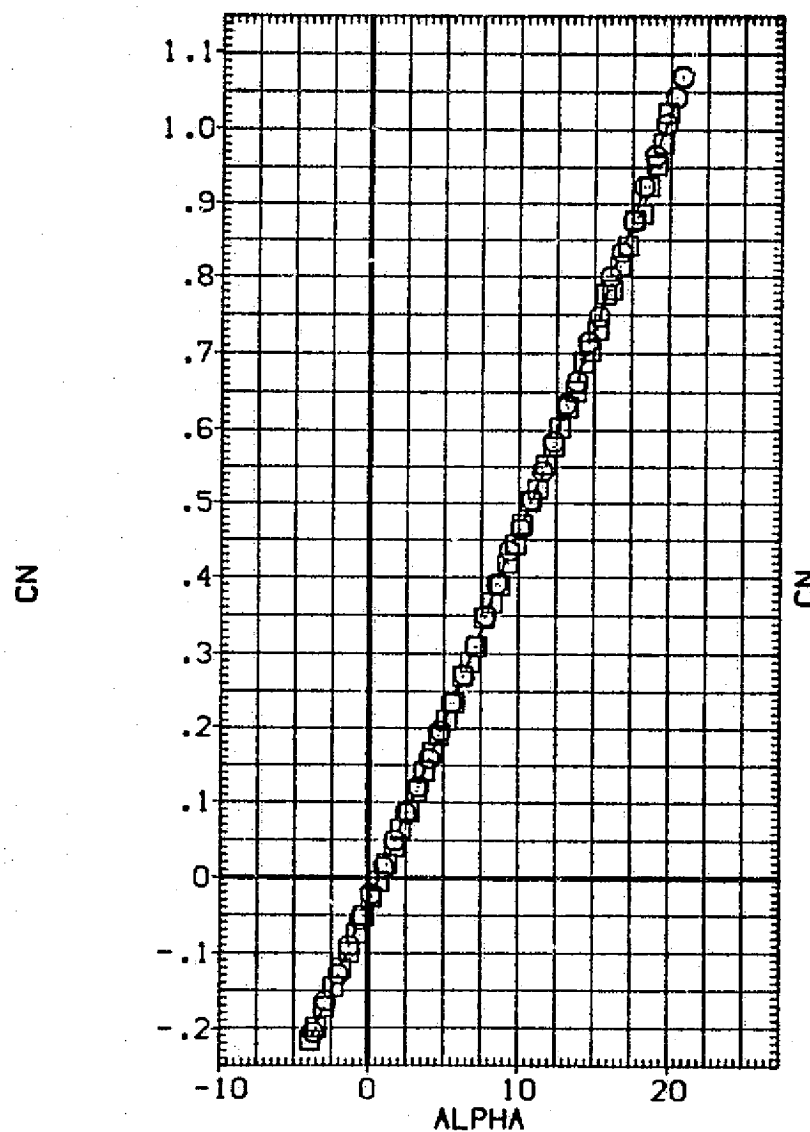




FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD006) 	LA67 (LTV 552) ORBITER 49-0
(AFD008) 	LA67 (LTV 552) ORBITER 49-0

RCSPDS	RN/L	BETA	SPOBRK	REFERENCE INFORMATION
.000	5.000	.000	25.000	SREF 2690.0000 SQ. FT
1.000	5.000	.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

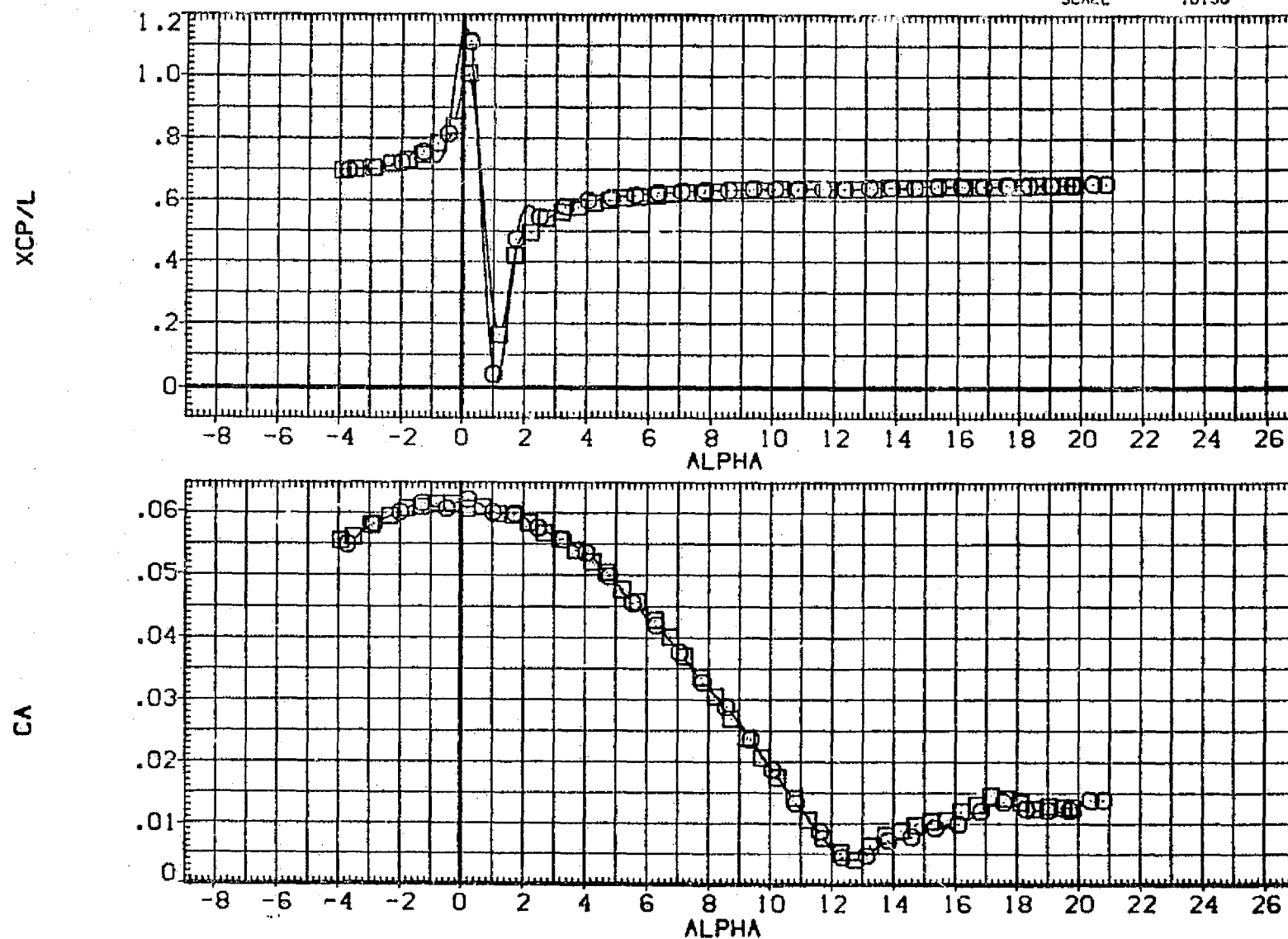


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD006)	LA67 (LTV 552) ORBITER 49-0
(AFD008)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	5.000	.000	25.000	SREF 2690.0000 SQ.FT.
1.000	5.000	.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

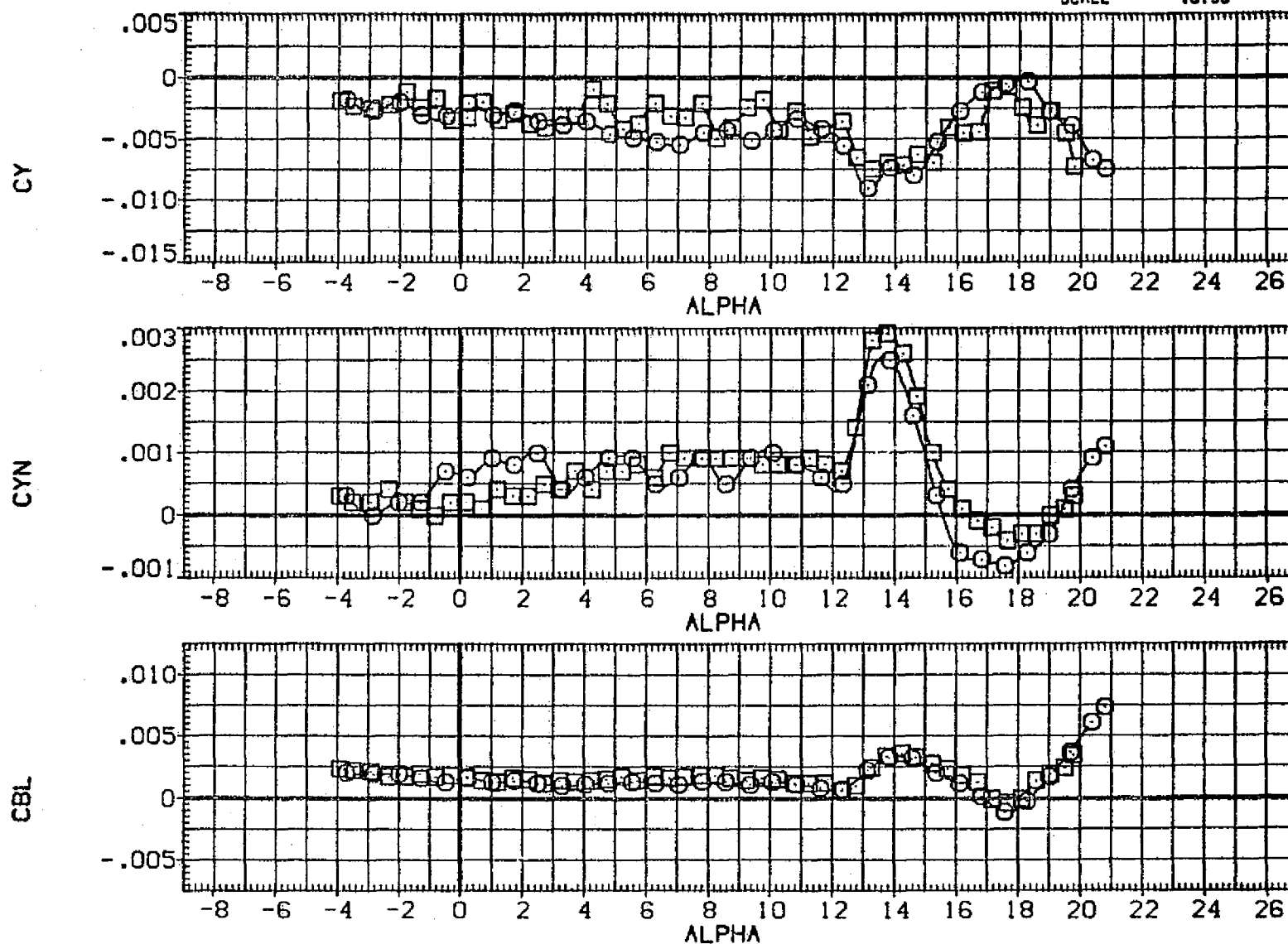


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD006)	LA67 (LTV 552) ORBITER 49-0
(AFD008)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SP09RK	REFERENCE INFORMATION
.000	5.000	.000	25.000	SREF 2690.0000 SQ.FT.
1.000	5.000	.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

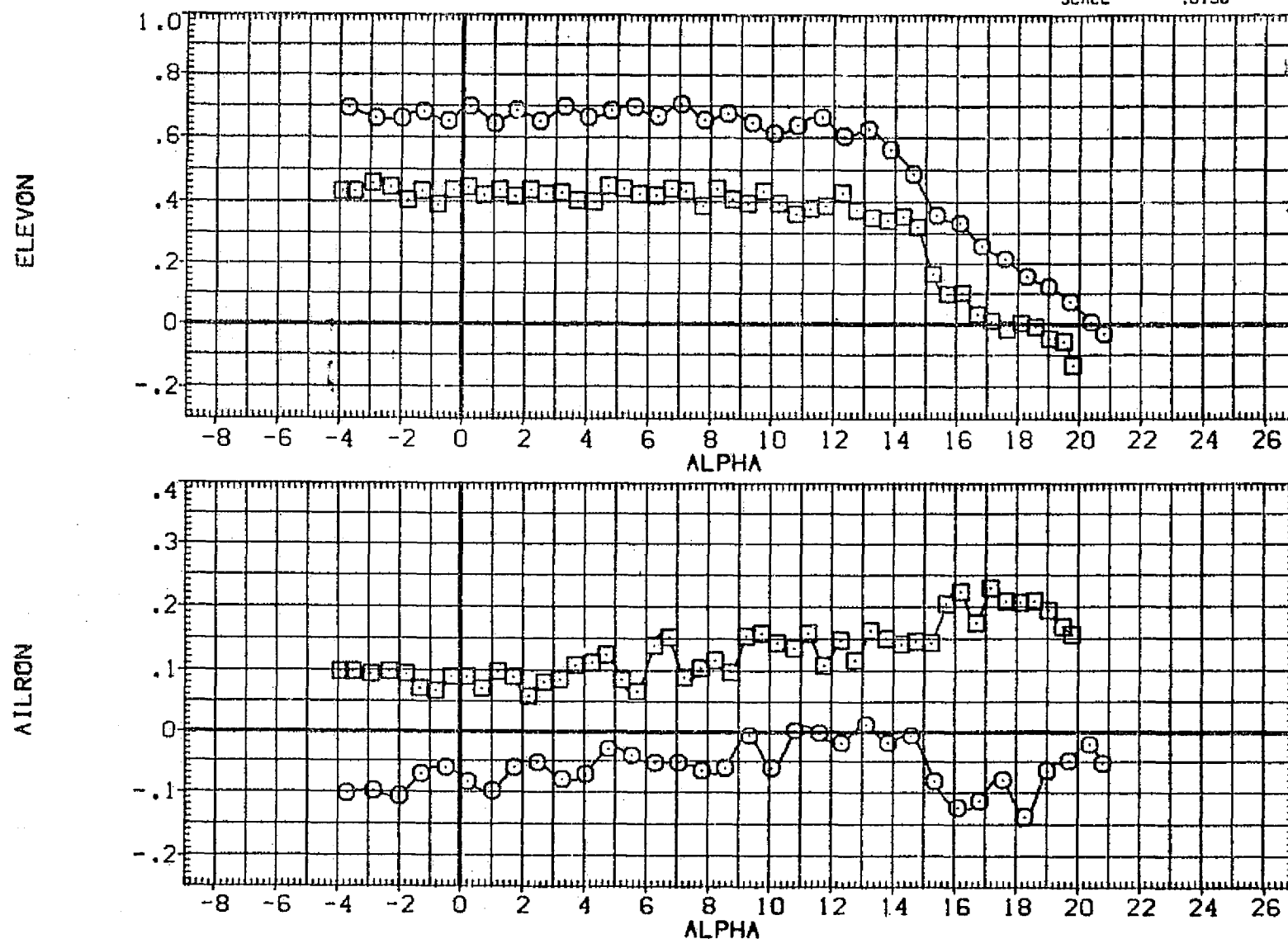


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD007)	LA67 (LTV 552) ORBITER 49-0
(SFD009)	LA67 (LTV 552) ORBITER 49-0

RCSPQS	RN/L	BETA	SPOBRK	REFERENCE INFORMATION
.000	6.000	.000	25.000	SREF 2690.0000 SQ. FT.
1.000	6.000	.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

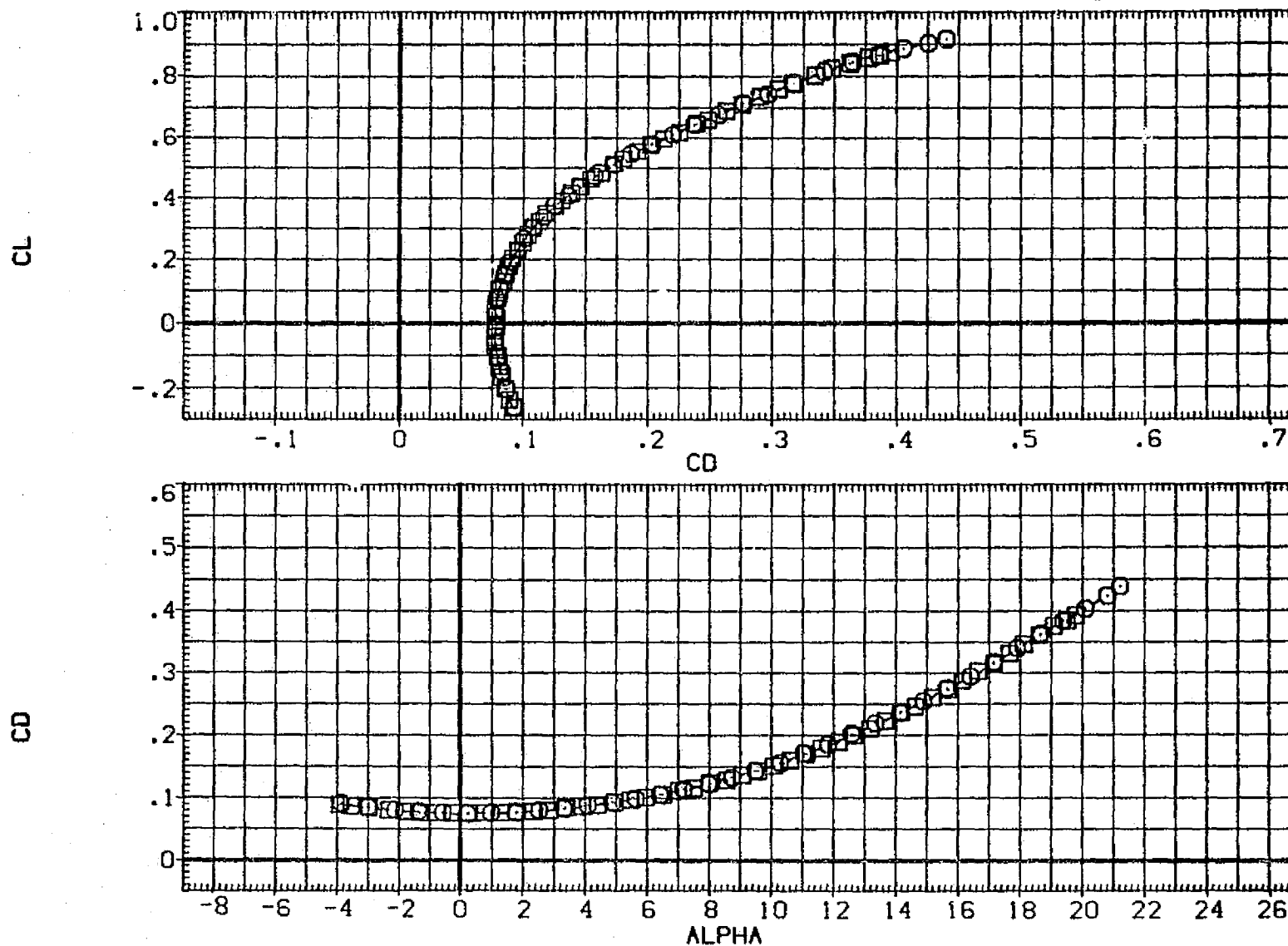


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD007)	LA67 (LTV 552) ORBITER 49-0
(SFD009)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	6.000	.000	25.000	SREF 170.0000 SQ.FT.
1.000	6.000	.000	25.000	LREF 11.9000 INCHES
				BREF 16.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

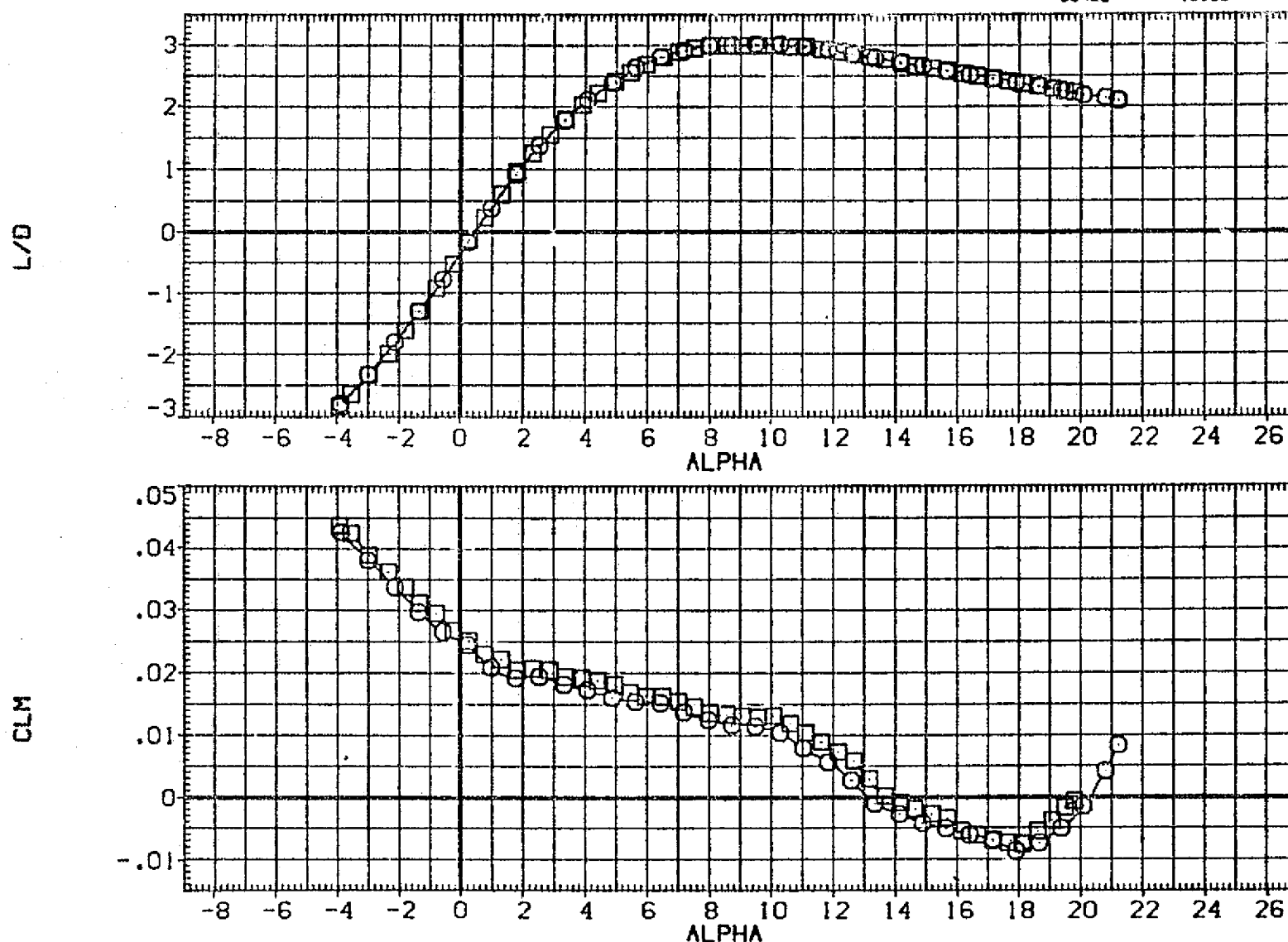


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD007) ○	LA67 (LTV 552) ORBITER 49-0
(SFD009) □	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	.000	25.000	SREF	2690.0000	50.FT.
1.000	6.000	.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

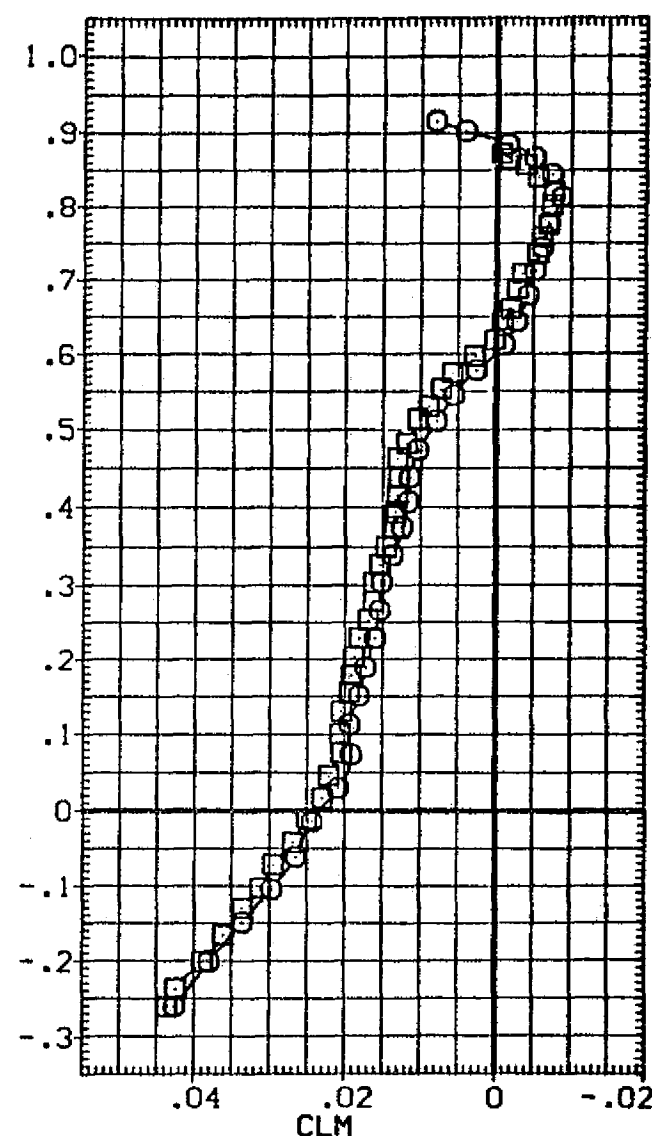
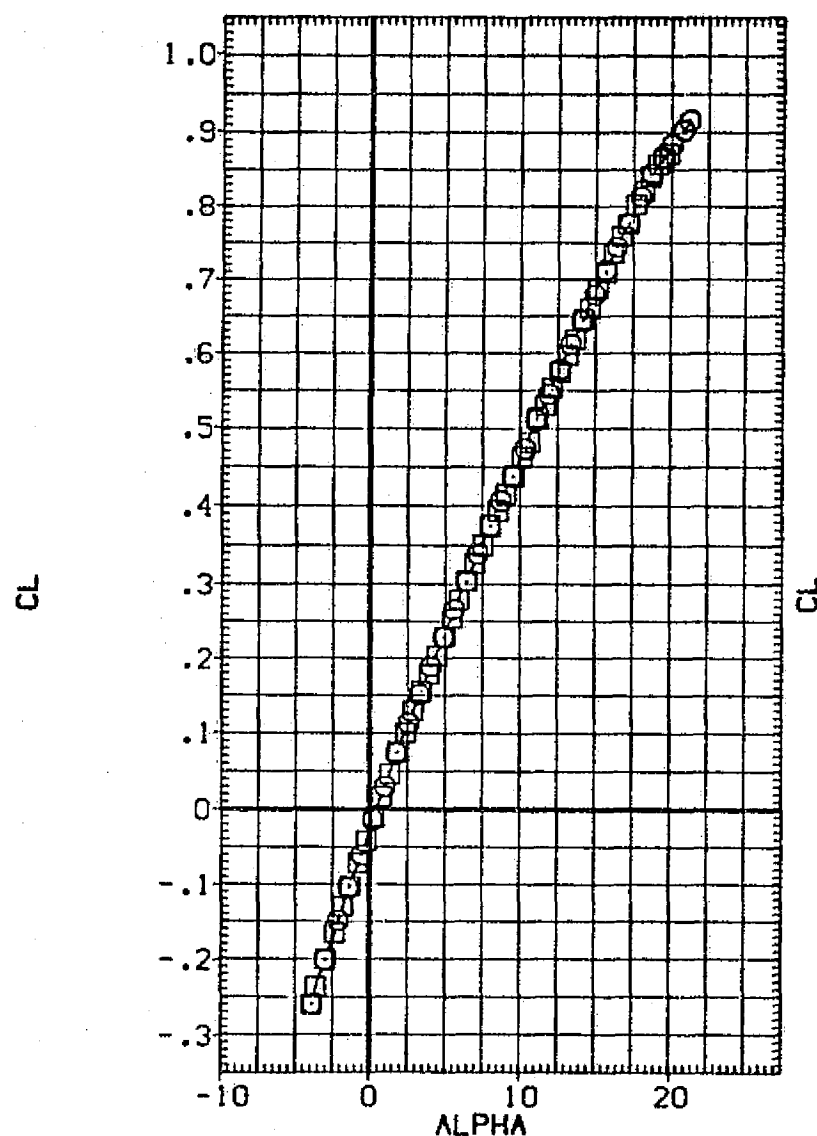


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD007)	LA67 (LTV 552) ORBITER 49-0
(AFD009)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	.000	25.000	SREF	2690.0000	50.FT.
1.000	6.000	.000	25.000	LREF	174.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

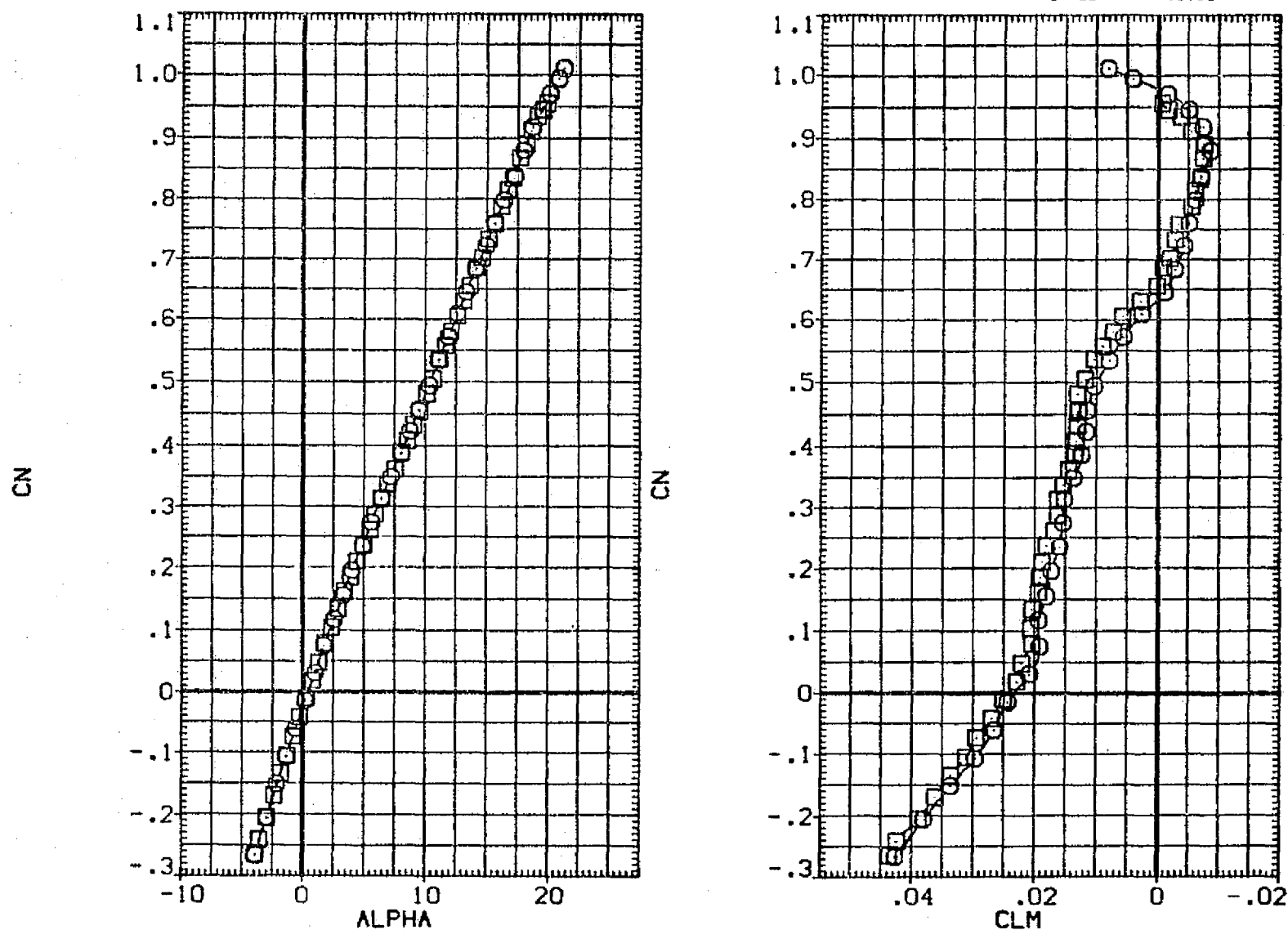




FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AFD007)  LA67 (LTV 552) ORBITER 49-0
 (AFD009)  LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SP0BRK	REFERENCE INFORMATION		
.000	6.000	.000	25.000	SREF	2690.0000	90. FT.
1.000	6.000	.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

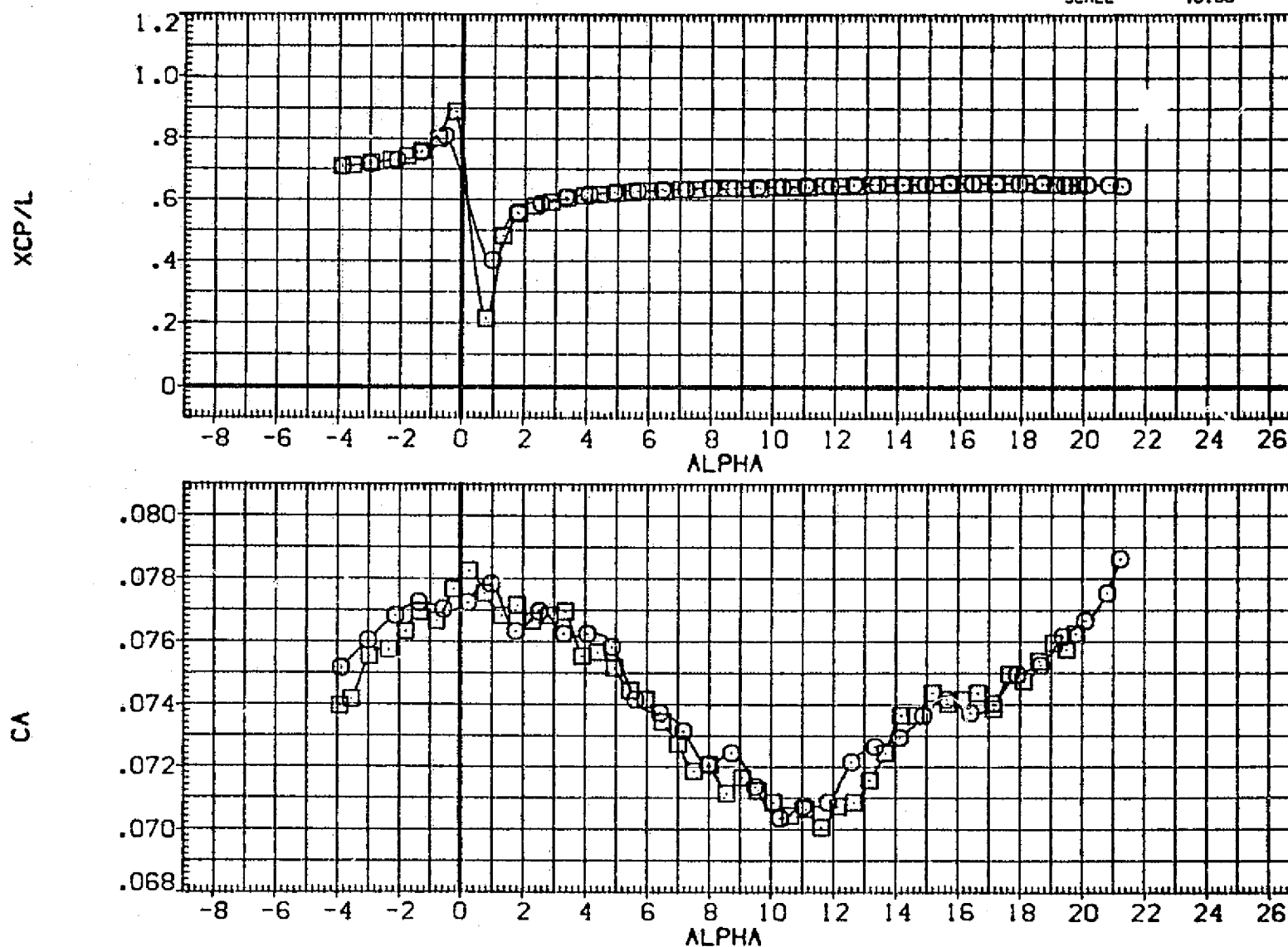


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD007)	LA67 (LTV 552) ORBITER 49-0
(AFD009)	LA67 (LTV 552) ORBITER 49-0

RCSPQS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	6.000	.000	25.000	SREF 2690.0000 50.FT.
1.000	6.000	.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

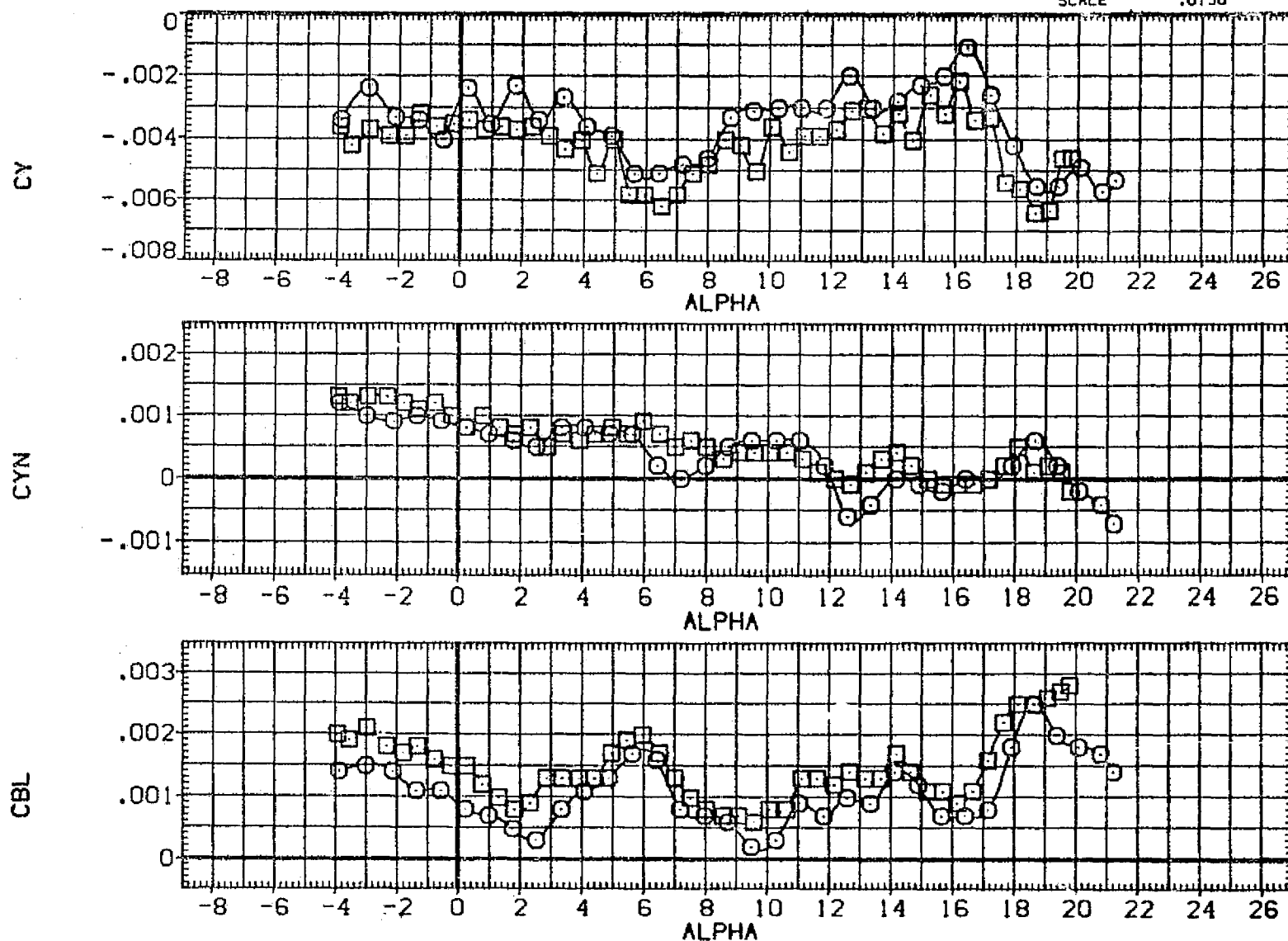


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD007)	LAG7 (LTV 552) ORBITER 49-0
(AFD009)	LAG7 (LTV 552) ORBITER 49-0

RCSPDS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	6.000	.000	25.000	SREF 2690.0000 SQ. FT.
1.000	6.000	.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

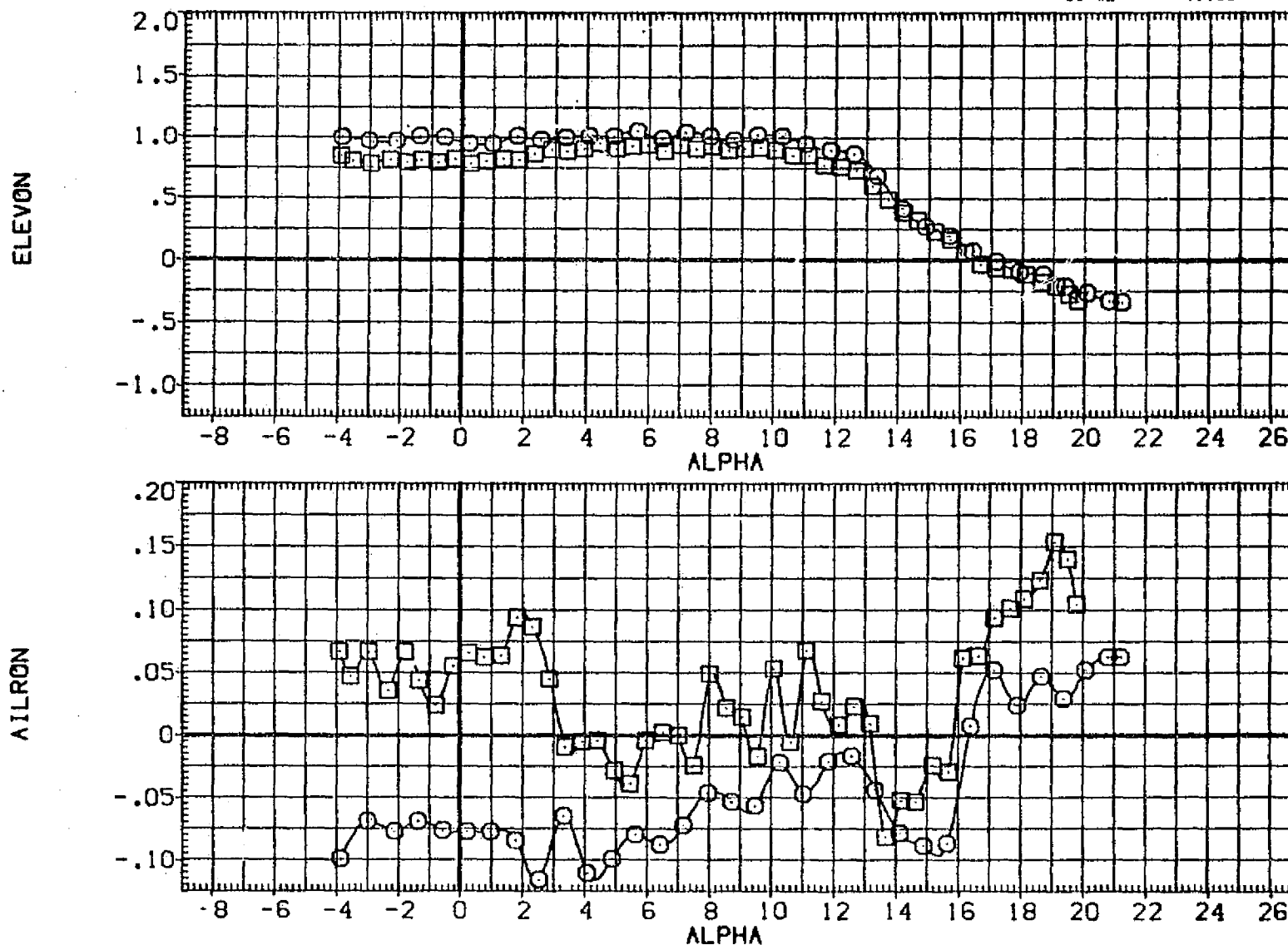


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD007)	LA67 (LTV 552) ORBITER 49-0
(SFD009)	LA67 (LTV 552) ORBITER 49-0

RCSPQS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	6.000	.000	25.000	SREF 2690.0000 SQ. FT.
1.000	6.000	.000	25.000	LREF 474.9000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

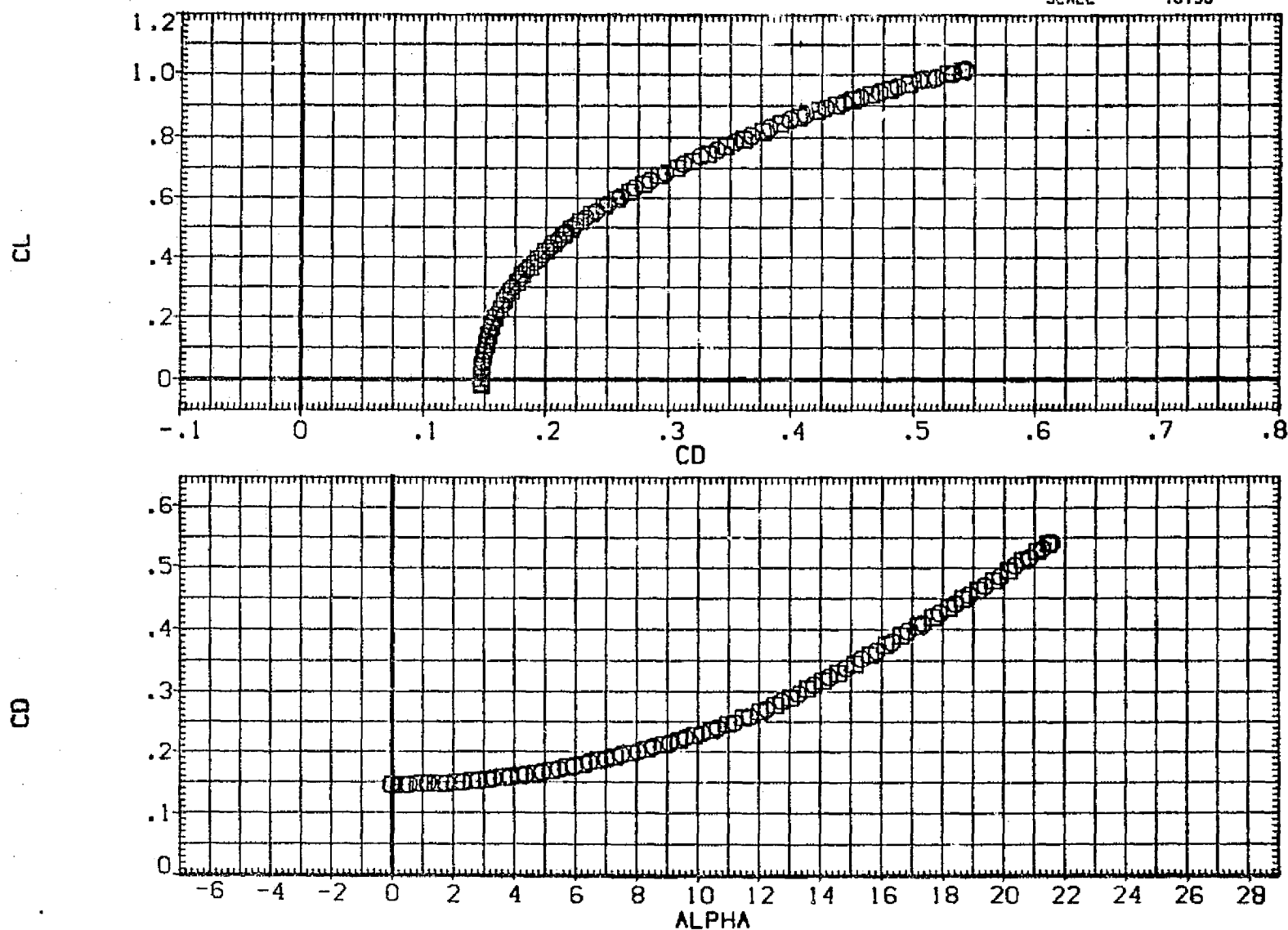


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD007)	LA67 (LTV 552) ORBITER 49-0
(SFD009)	LA67 (LTV 552) ORBITER 49-0

RCSPOS	RN/L	BETA	SPOBRK	REFERENCE INFORMATION
.000	6.000	.000	25.000	SREF 2690.0000 SQ. FT.
1.000	6.000	.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. 10
				YMRP .0000 IN. 10
				ZMRP 375.0000 IN. 20
				SCALE .0150

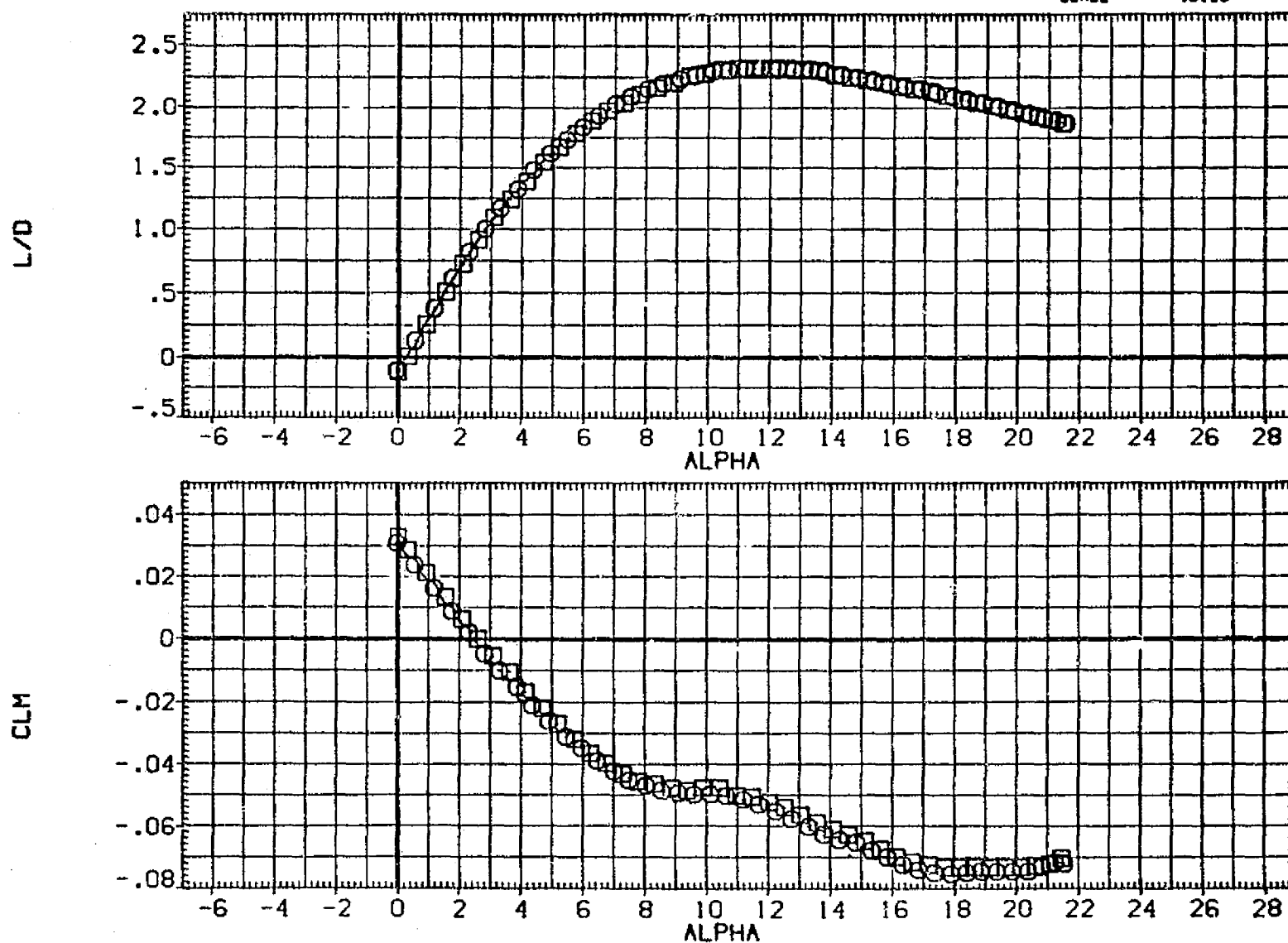


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD007) ○	LA67 (LTV 552) ORBITER 49-0
(SFD009) □	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPD9RK	REFERENCE INFORMATION		
.000	6.000	.000	25.000	SREF	2690.0000	50.FT.
1.000	6.000	.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

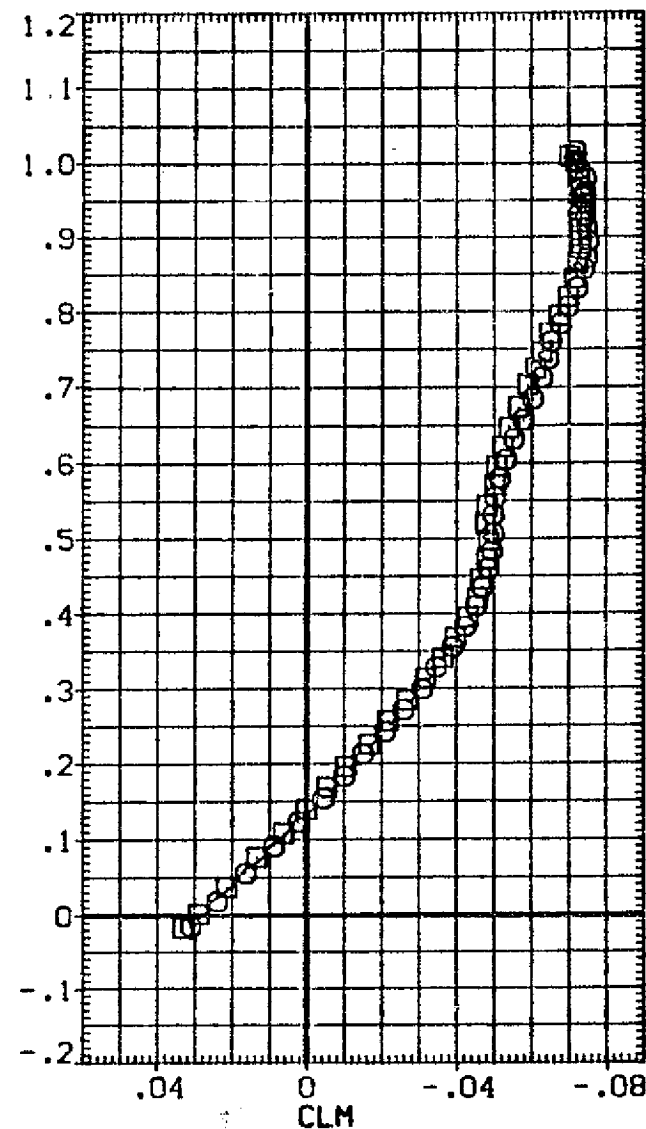
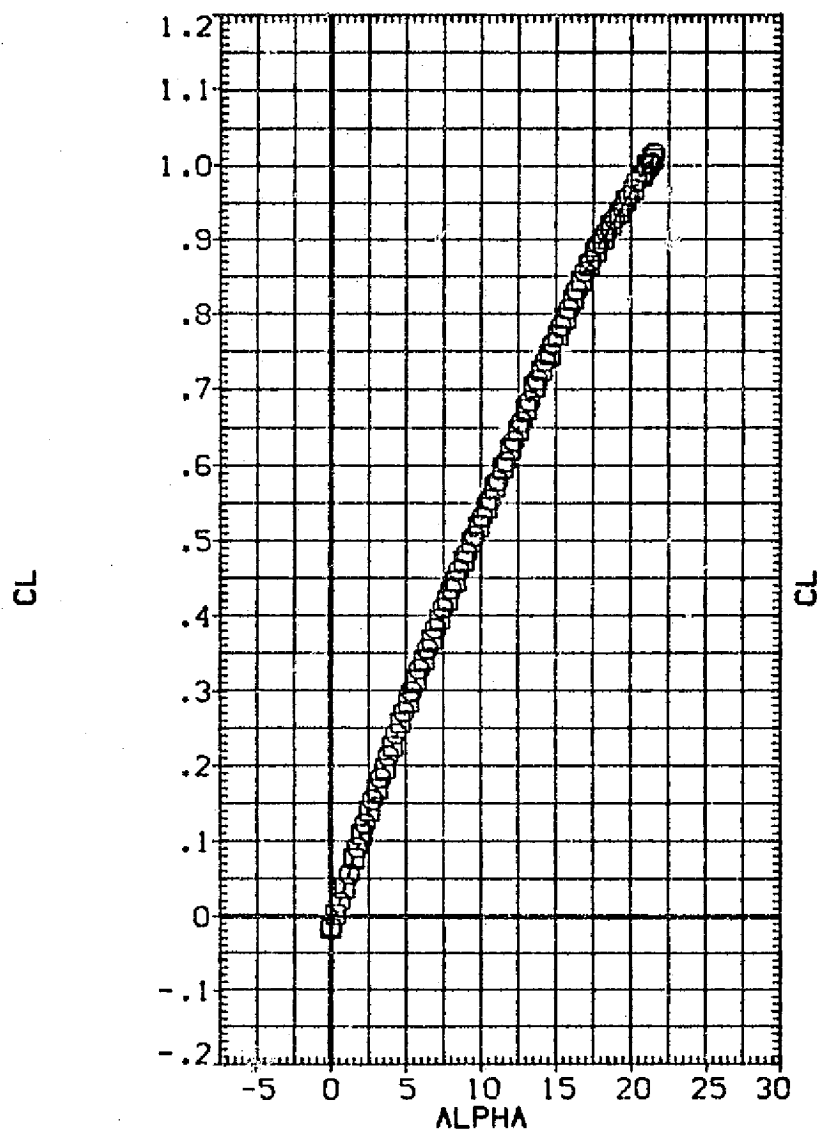


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD007)	LA67 (LTV 552) ORBITER 49-0
(AFD009)	LA67 (LTV 552) ORBITER 49-0

RCSP0S	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	.000	25.000	SREF	2690.0000	50. FT.
1.000	6.000	.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

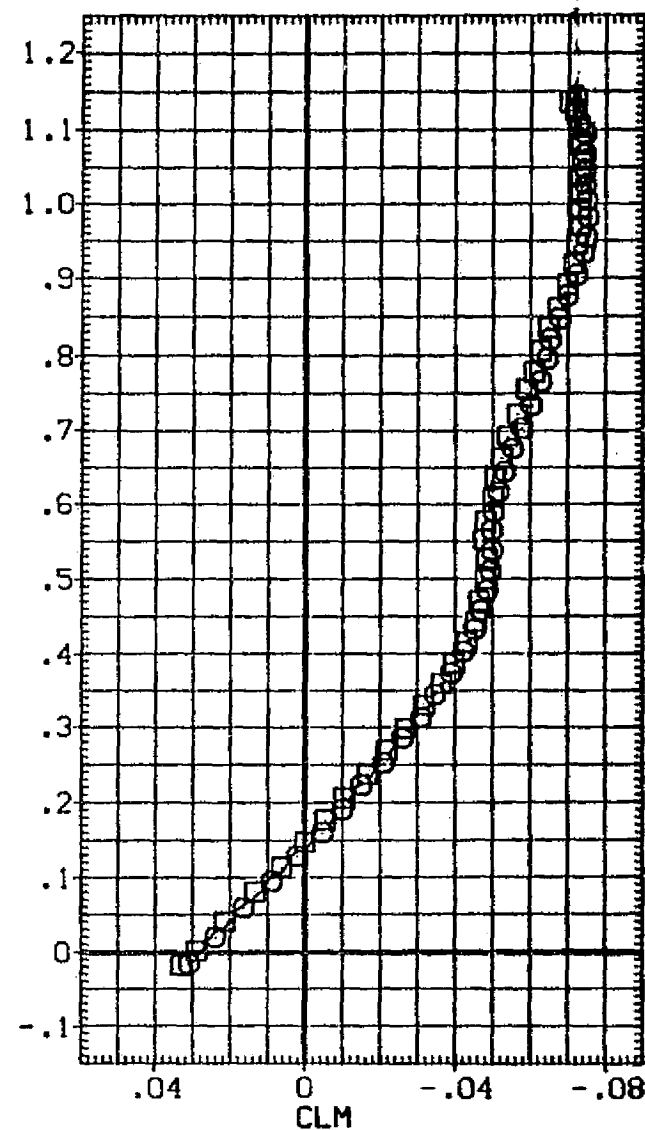
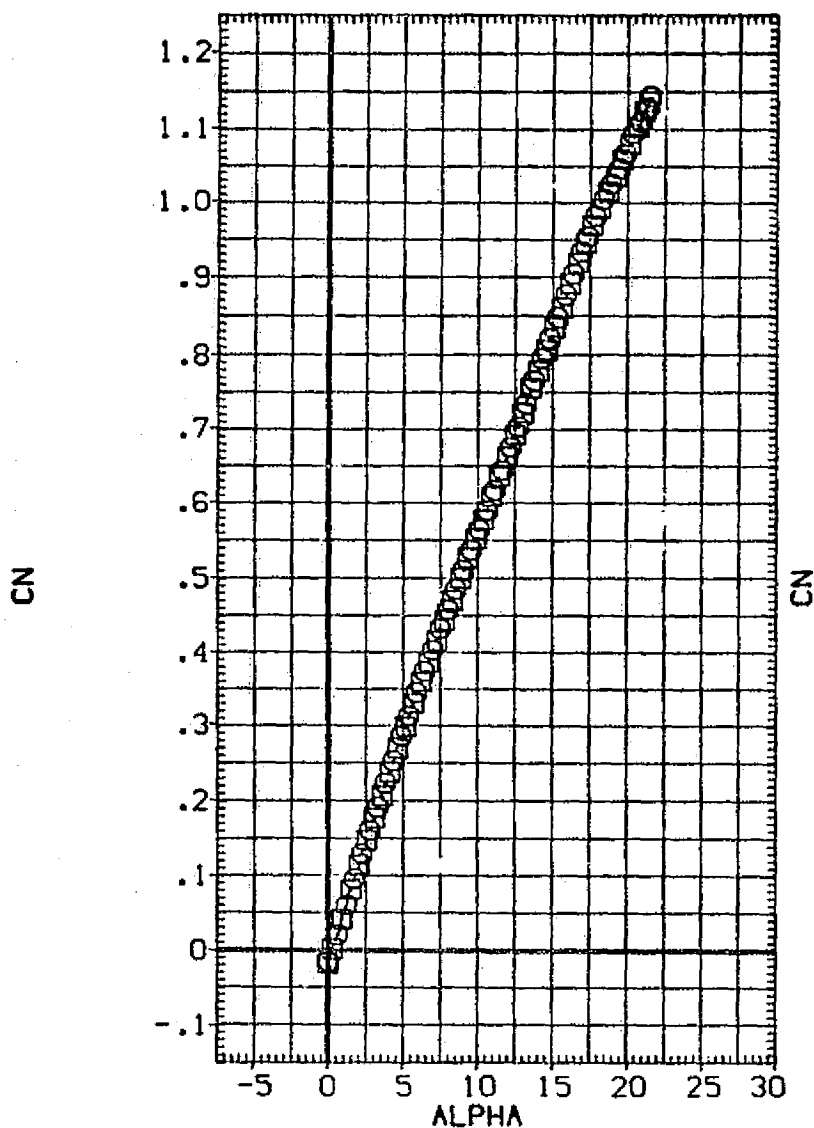


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD007)	LA67 (LTV 552) ORBITER 49-0
(AFD009)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDRK	REFERENCE INFORMATION
.000	6.000	.000	25.000	SREF 2690.0000 SQ.FT.
1.000	6.000	.000	25.000	LREF 474.3000 INCHES
				BREF 876.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

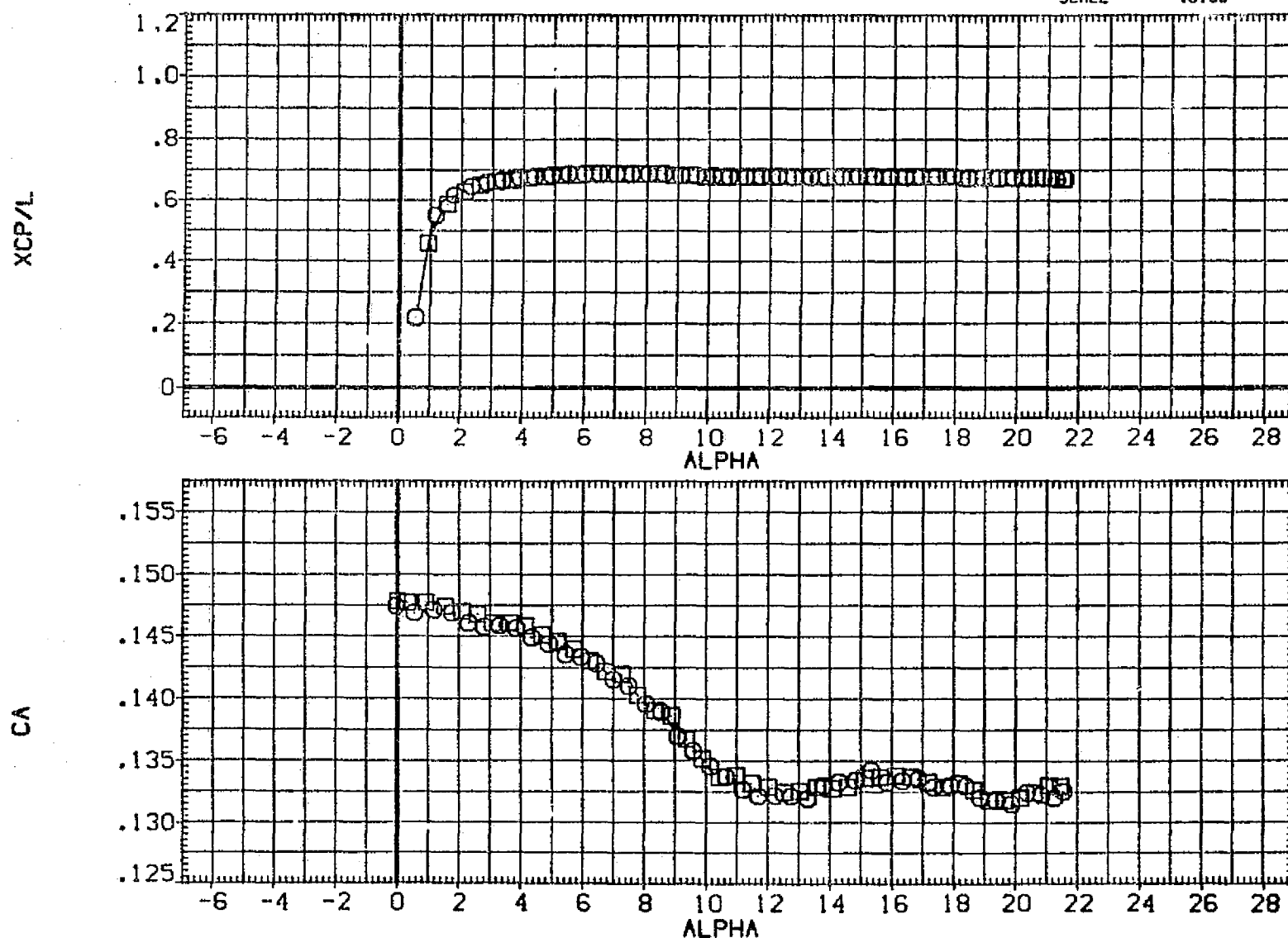


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD007)	LA67 (LTV 552) ORBITER 49-0
(AFD009)	LA67 (LTV 552) ORBITER 49-0

RCSPDS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	6.000	.000	25.000	SREF 2690.0000 SQ.FT.
1.000	6.000	.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

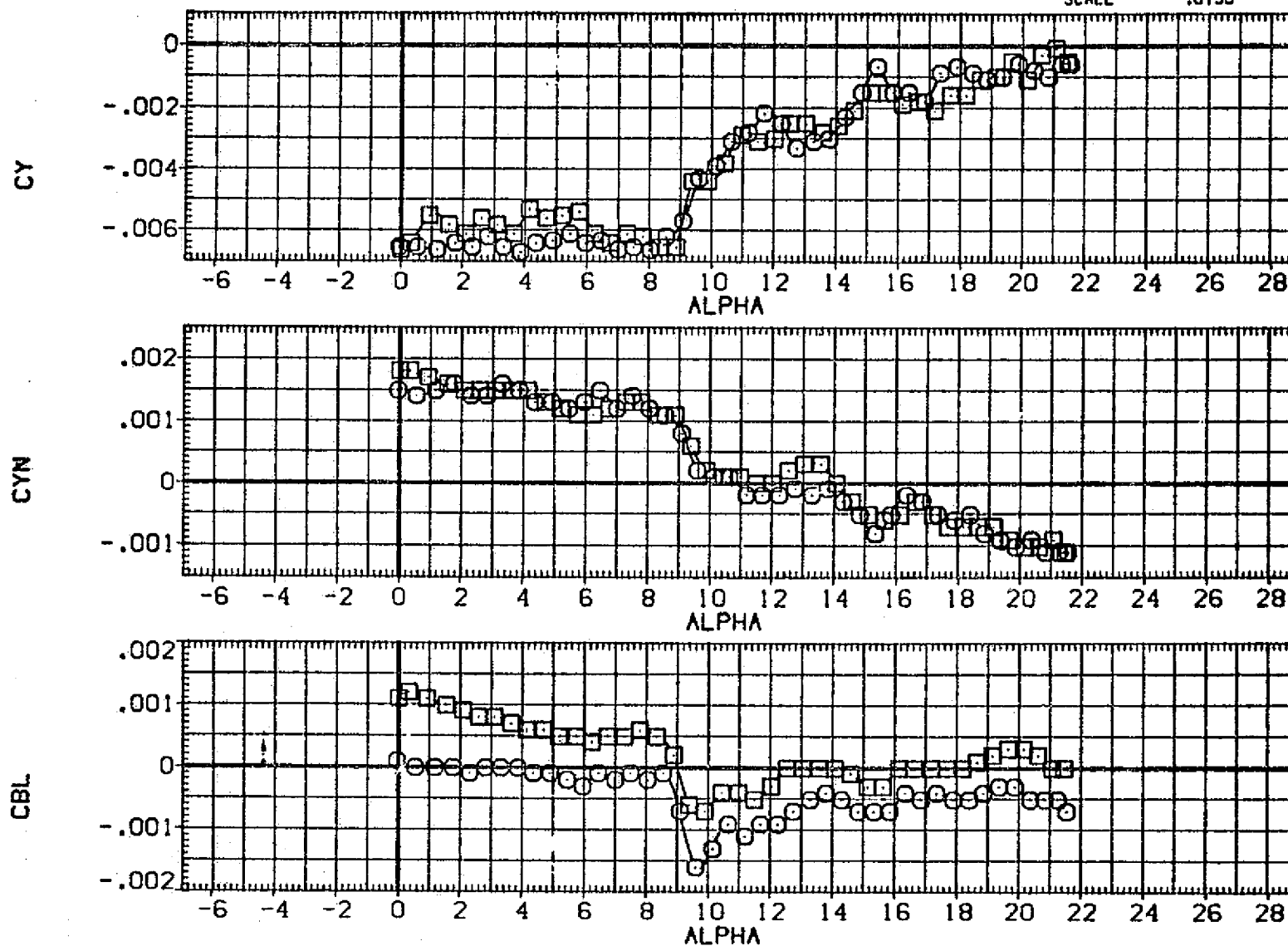




FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD007) 	LA67 (LTV 552) ORBITER 49-0
(AFD009) 	LA67 (LTV 552) ORBITER 49-0

RCSPQS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION	
.000	6.000	.000	25.000	SREF	2680.0000 90.FT.
1.000	6.000	.000	25.000	LREF	474.6000 INCHES
				BREF	936.7000 INCHES
				XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

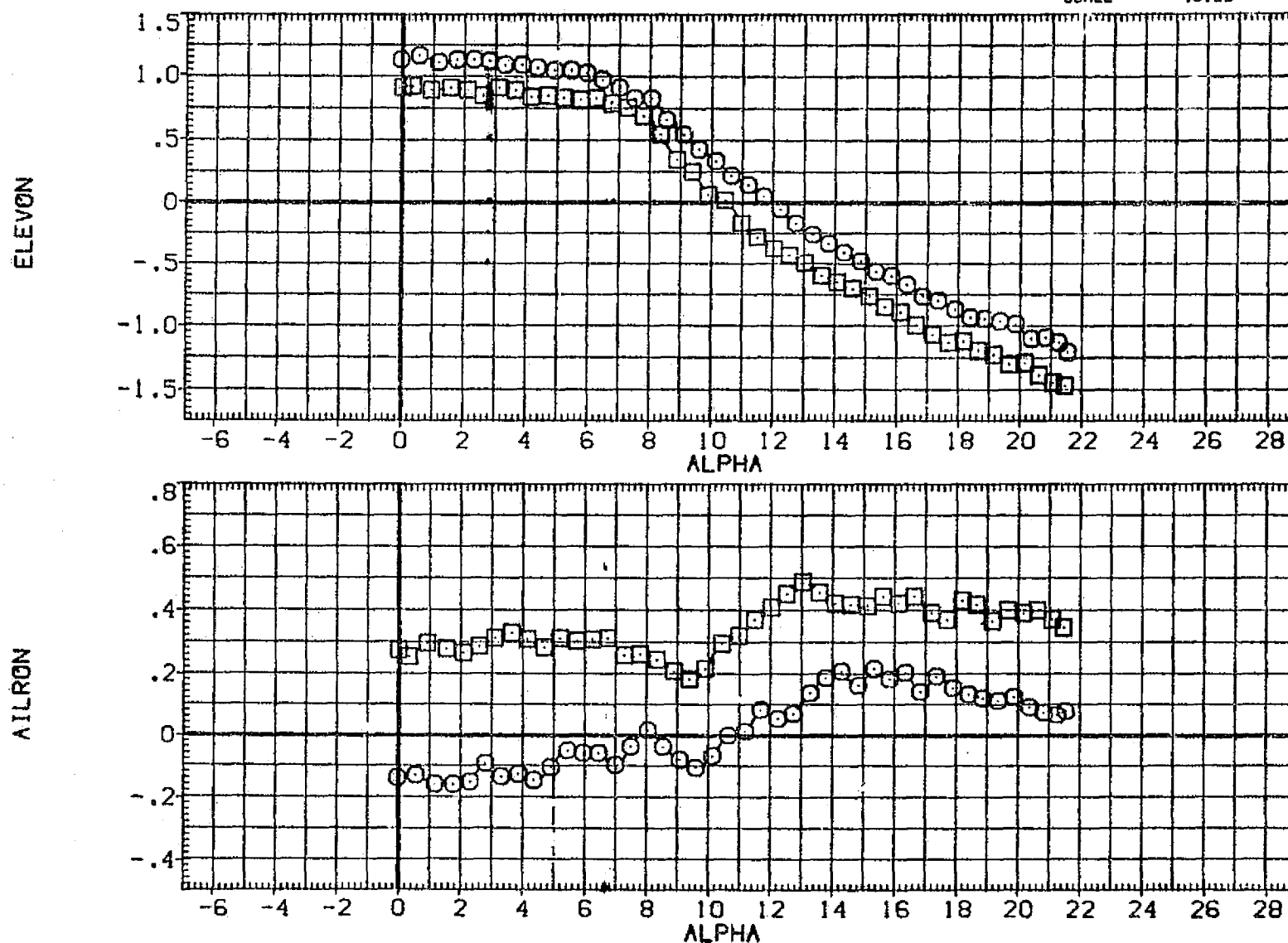


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD031)	LA67 (LTV 552) ORBITER 49-0
(SFD032)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPOBRK	REFERENCE INFORMATION
.000	8.000	.000	55.000	SREF 2690.0000 SQ.FT.
1.000	8.000	.000	55.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMHP 1076.7000 IN. X0
				YMHP .0000 IN. Y0
				ZMHP 375.0000 IN. Z0
				SCALE .0150

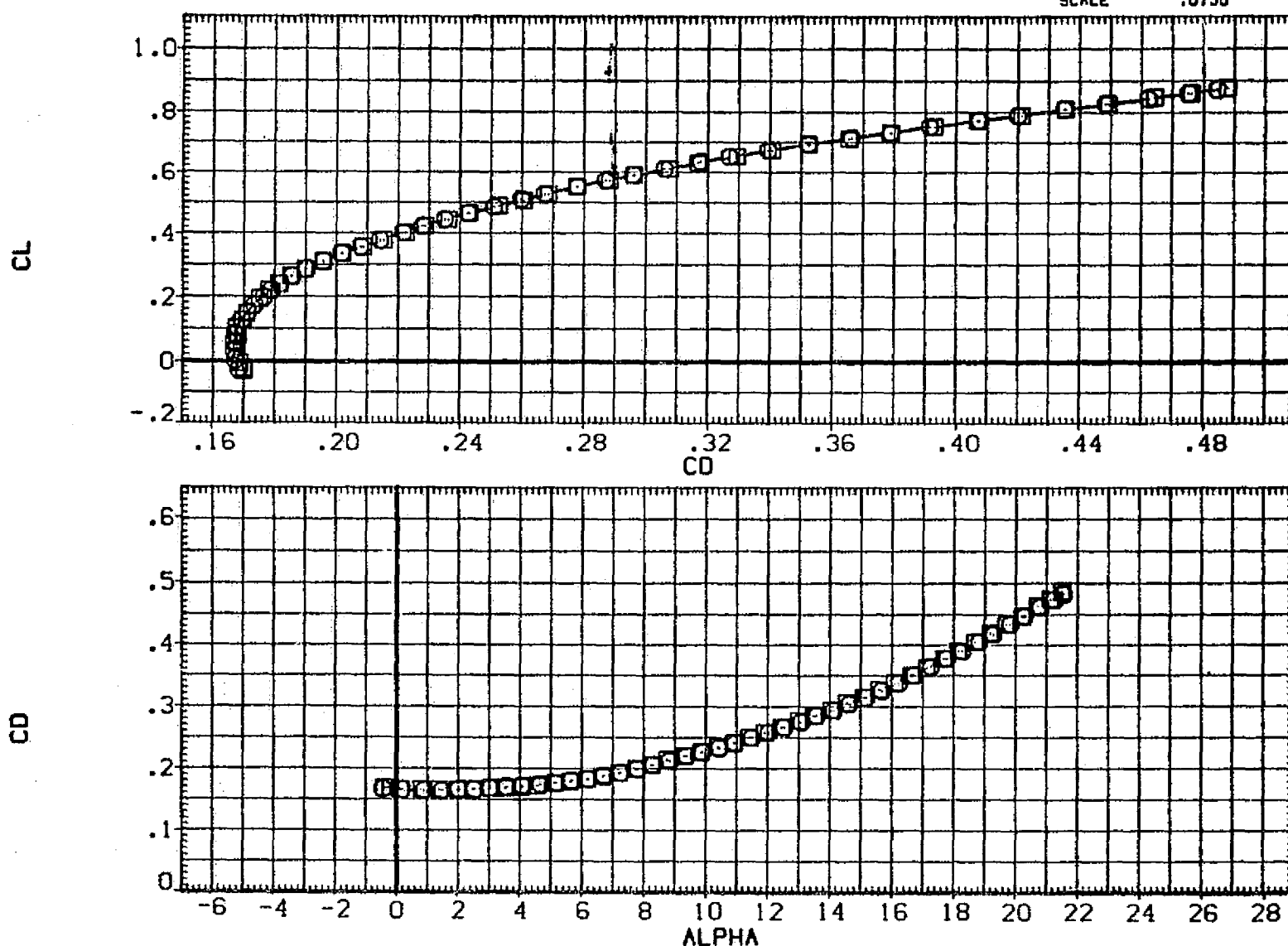


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD031)	LA67 (LTV 552) ORBITER 49-0
(SFD032)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SP0BRK	REFERENCE INFORMATION
.000	8.000	.000	55.000	SREF 2690.0000 SQ.FT.
1.000	8.000	.000	55.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X
				YMRP .0000 IN. Y
				ZMRP 375.0000 IN. Z
				SCALE .0150

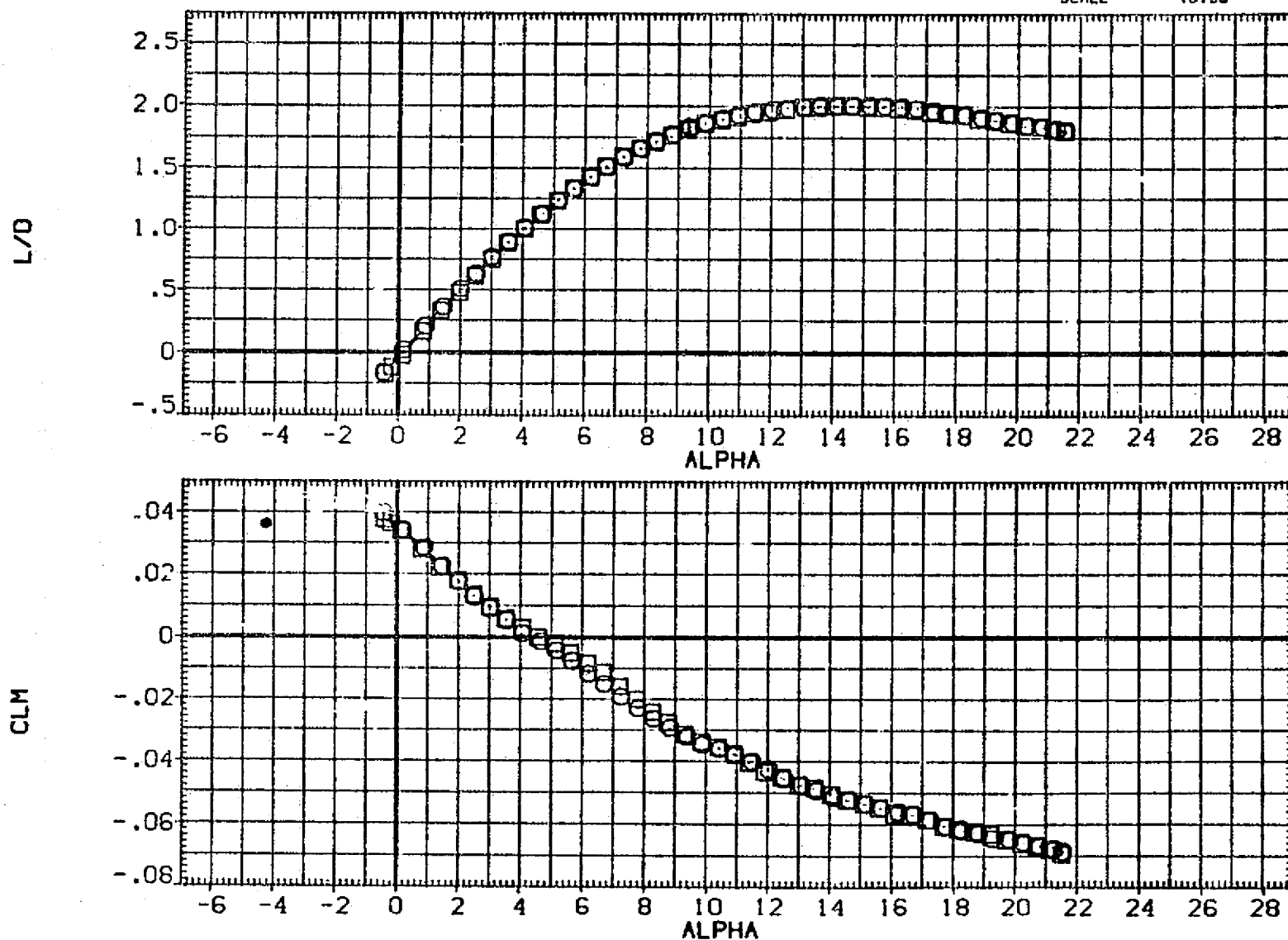


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
 (A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0031) □	LA67 (LTV 552) ORBITER 49-0
(SF0032) □	LA67 (LTV 552) ORBITER 49-0

RCSPDS	RN/L	BETA	SPOBRK	REFERENCE INFORMATION		
.000	8.000	.000	55.000	SREF	2690.0000	50.FT.
1.000	8.000	.000	55.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

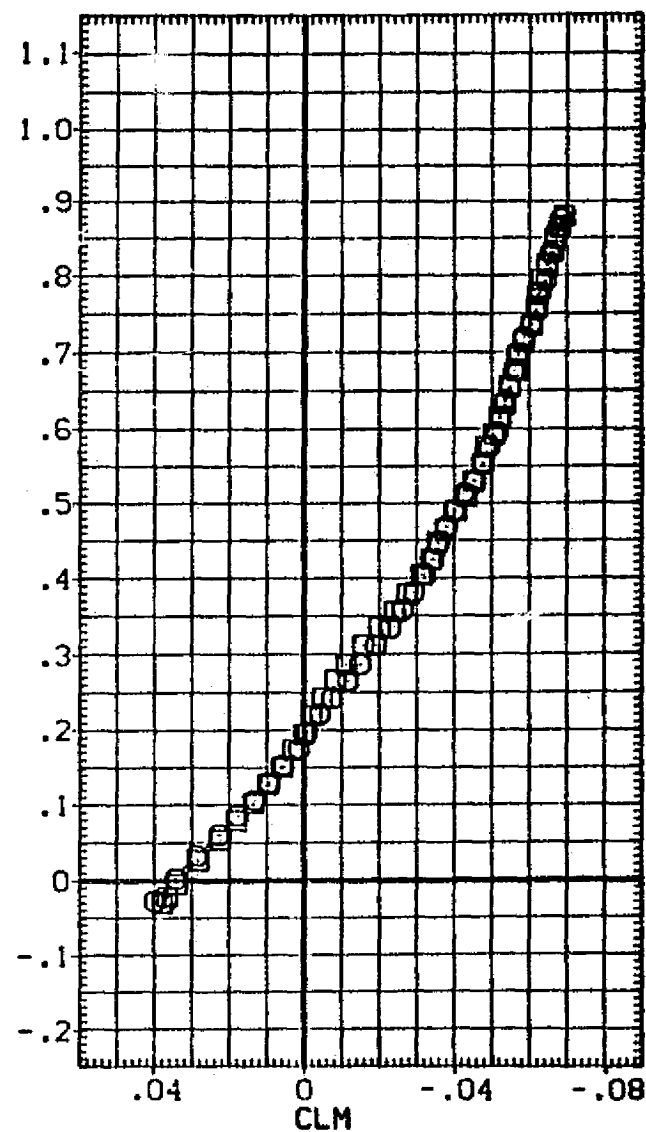
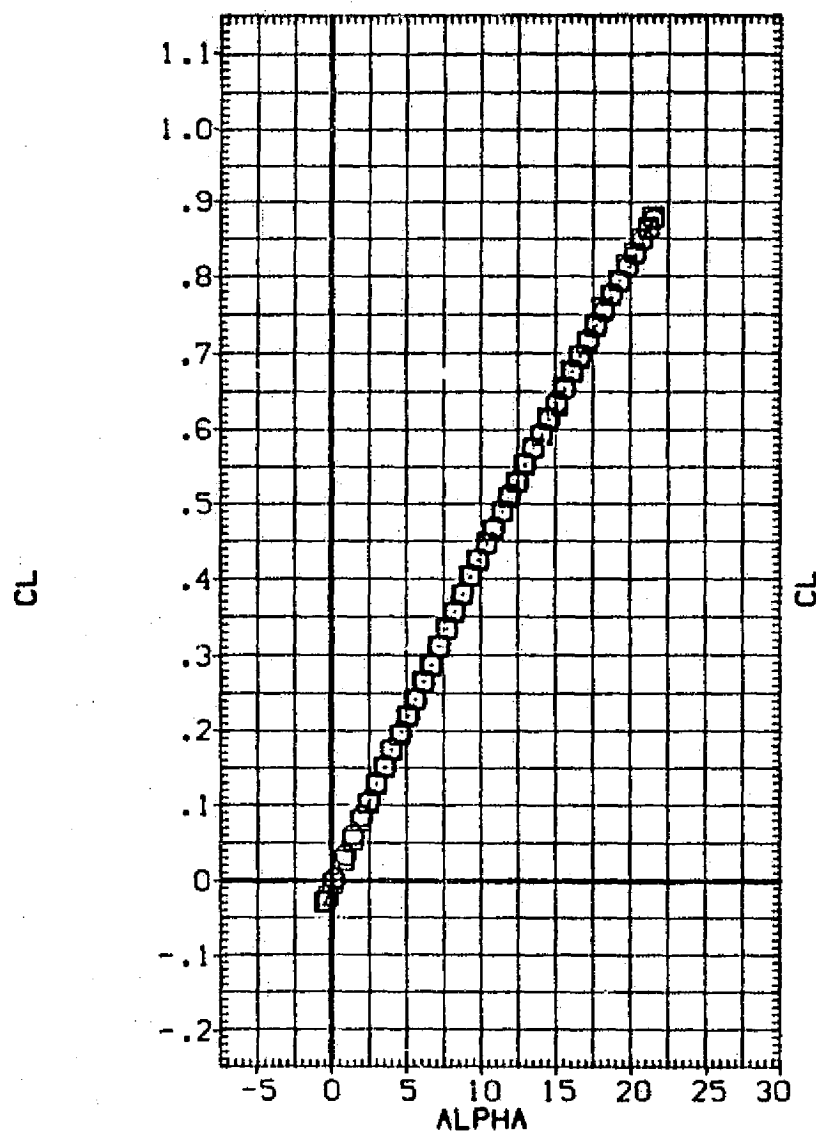




FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A) MACH = 1.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AFD031)  LAG7 (LTV 552) ORBITER 49-0
 (AFD032)  LAG7 (LTV 552) ORBITER 49-0

RCSPDS	RN/L	BETA	SPOBRK	REFERENCE INFORMATION		
.000	8.000	.000	55.000	SREF	2690.0000	50. FT.
1.000	8.000	.000	55.000	LREF	174.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. 10
				YMRP	.0000	IN. 10
				ZMRP	375.0000	IN. 10
				SCALE	.0150	

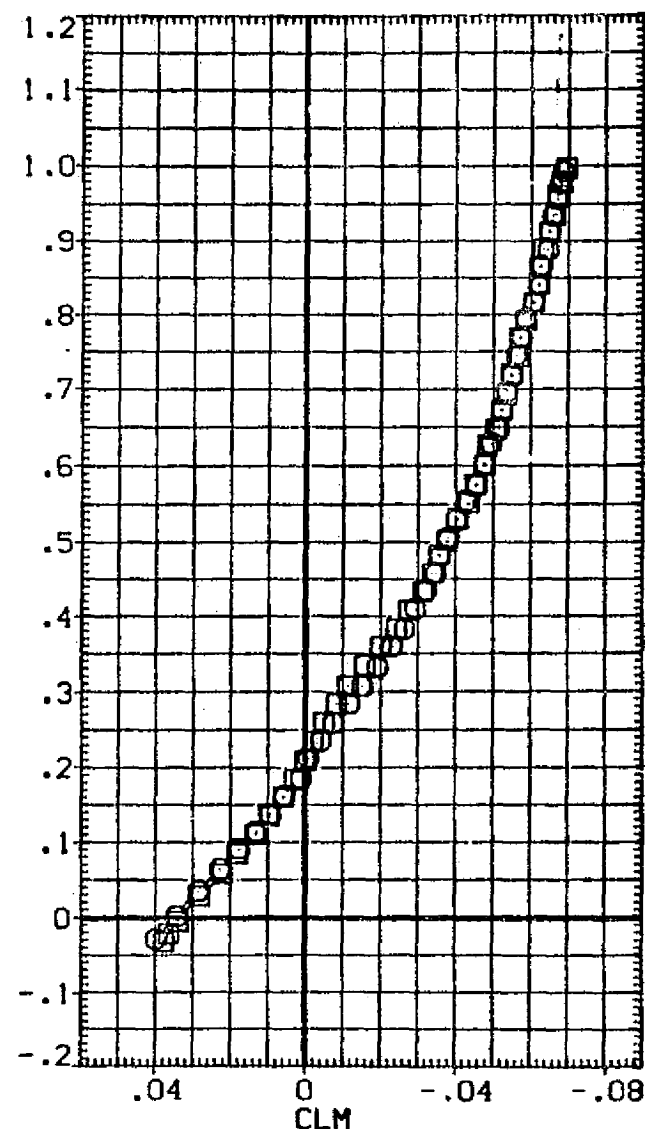
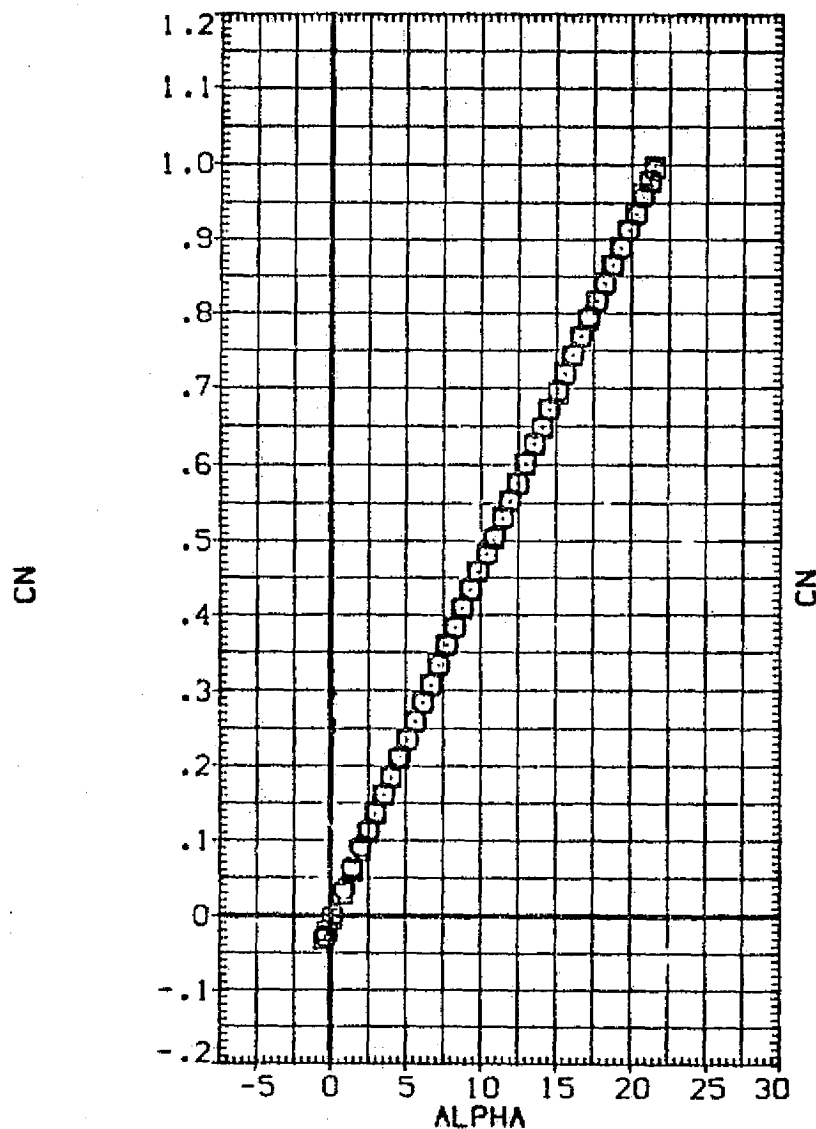


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A) MACH = 1.50

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AF0031)	LA67 (LTV 552)	ORBITER 49-0
(AF0032)	LA67 (LTV 552)	ORBITER 49-0

RCSPDS	RN/L	BETA	SPOBRK	REFERENCE INFORMATION	
.000	8.000	.000	55.000	SREF	2690.0000 50.FT.
1.000	8.000	.000	55.000	LREF	474.8000 INCHES
				BREF	936.7000 INCHES
				XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

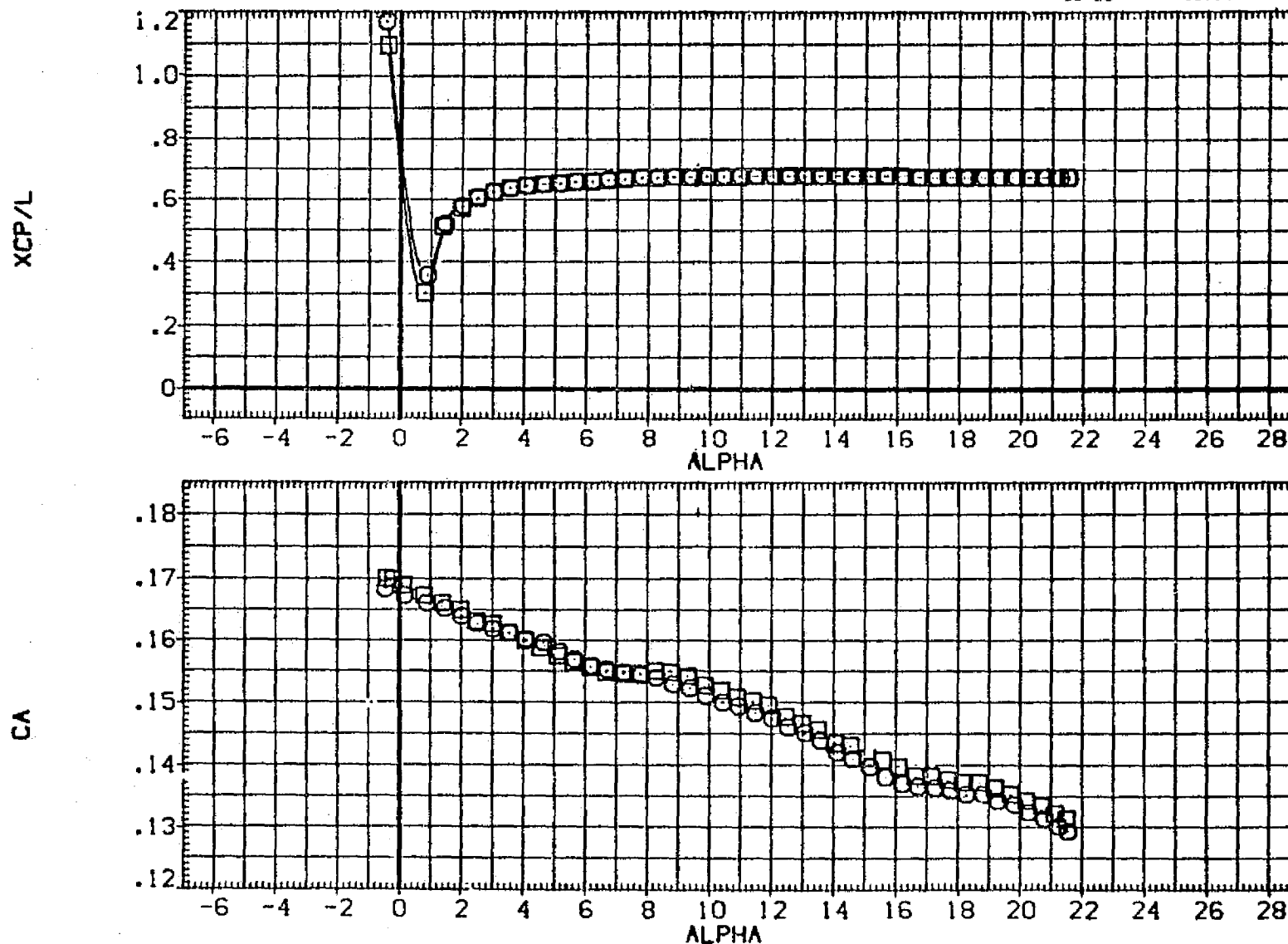


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
 (A) MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD031)	LA67 (LTV 532) ORBITER 49-0
(AFD032)	LA67 (LTV 532) ORBITER 49-0

RCSPQS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	8.000	.000	55.000	SREF 850.0000 SQ. FT.
1.000	8.000	.000	55.000	LREF 474.3000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

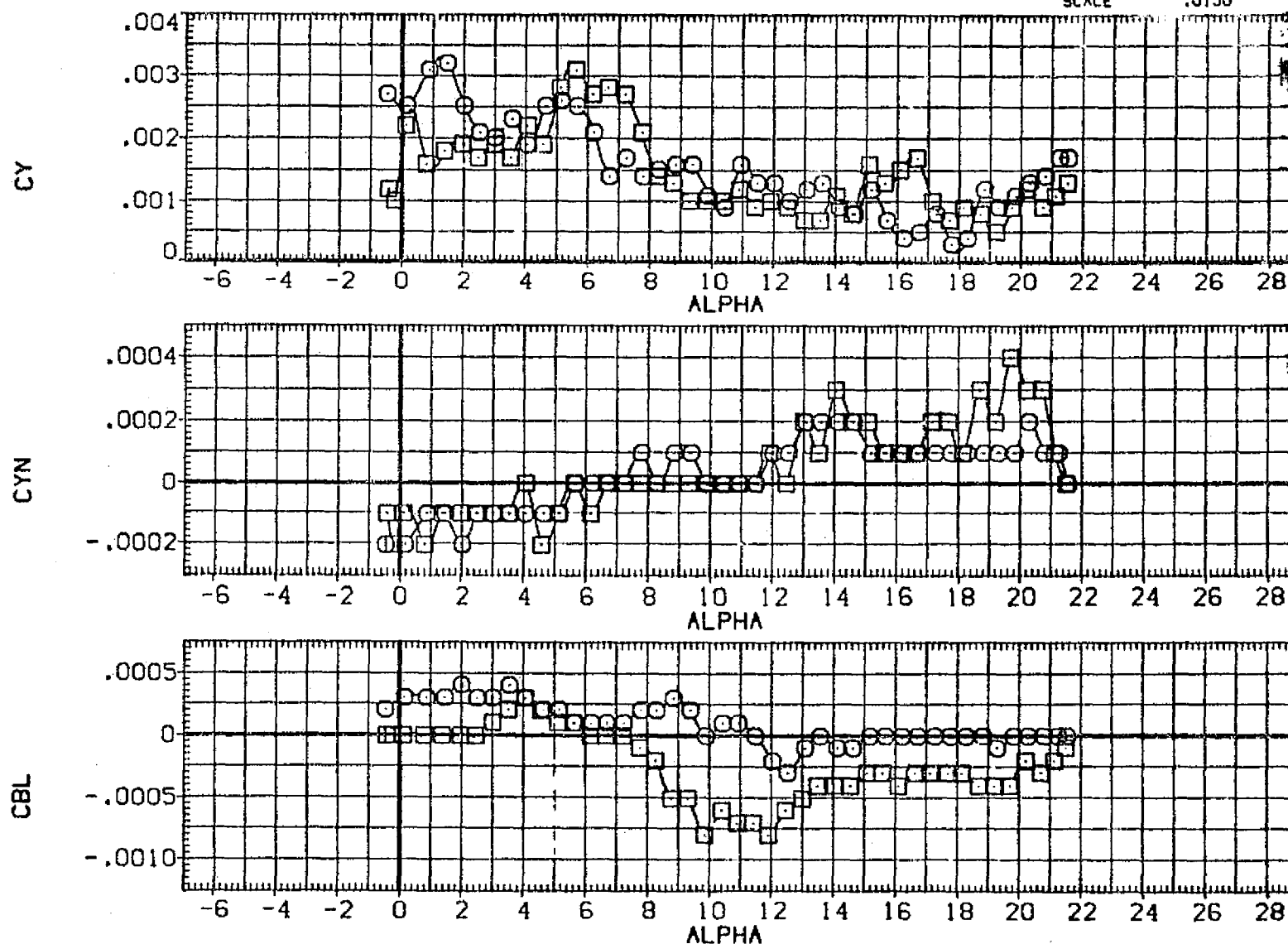


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)

(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD031) \square	LA67 (LTV 552) ORBITER 49-0
(AFD032) \square	LA67 (LTV 552) ORBITER 49-0

RCSPQS	RN/L	BETA	SPDGRK	REFERENCE INFORMATION
.000	8.000	.000	55.000	SREF 2690.0000 SQ. FT.
1.000	8.000	.000	55.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

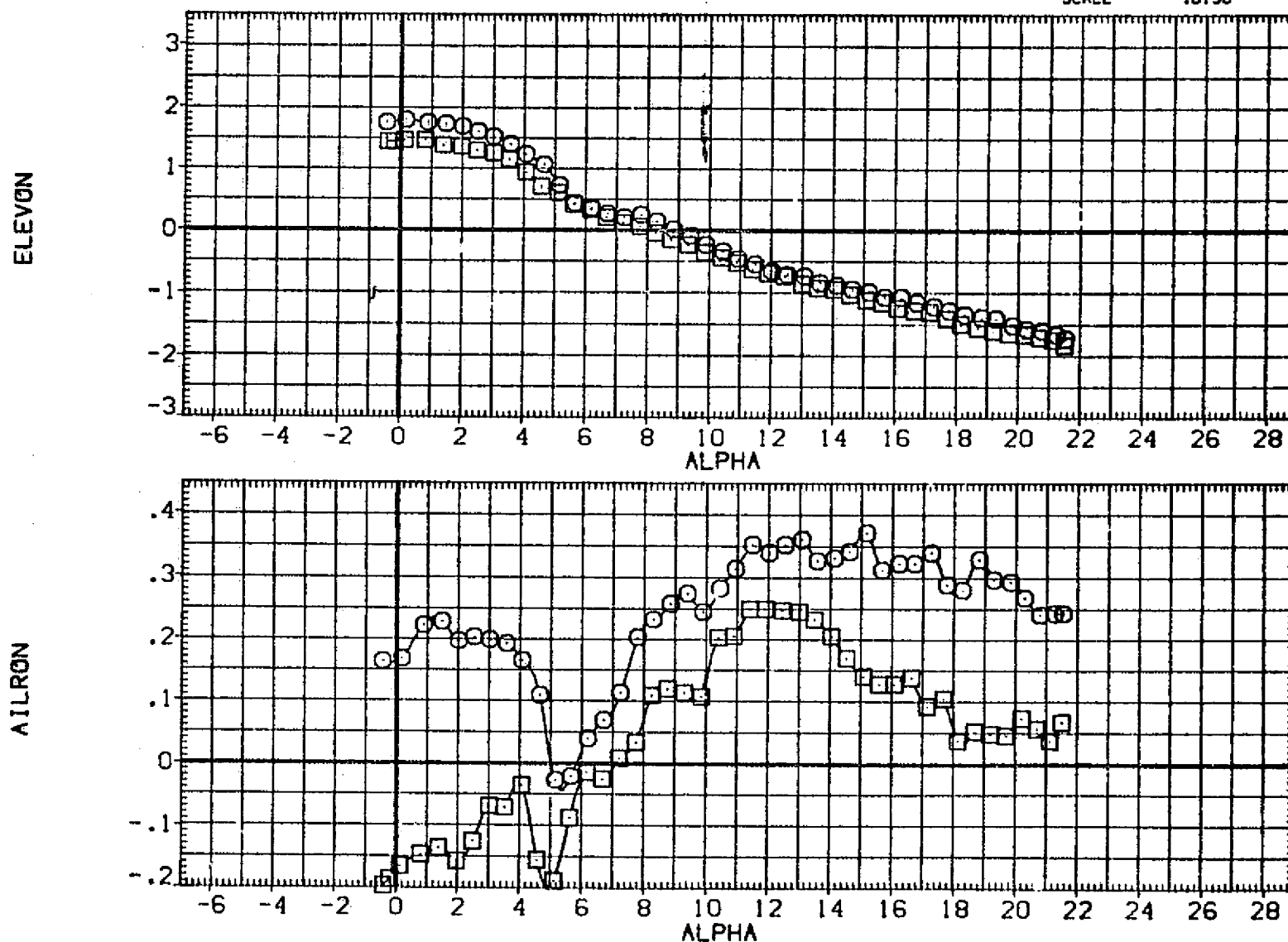


FIG. 12 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER (BETA= 0)
(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD015)	LA67 (LTV 552) ORBITER 49-0
(SFD017)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	5.000	-2.000	25.000	SREF 2690.0000 50. FT.
1.000	5.000	-2.000	25.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.6000 IN. Z0
				SCALE .0150

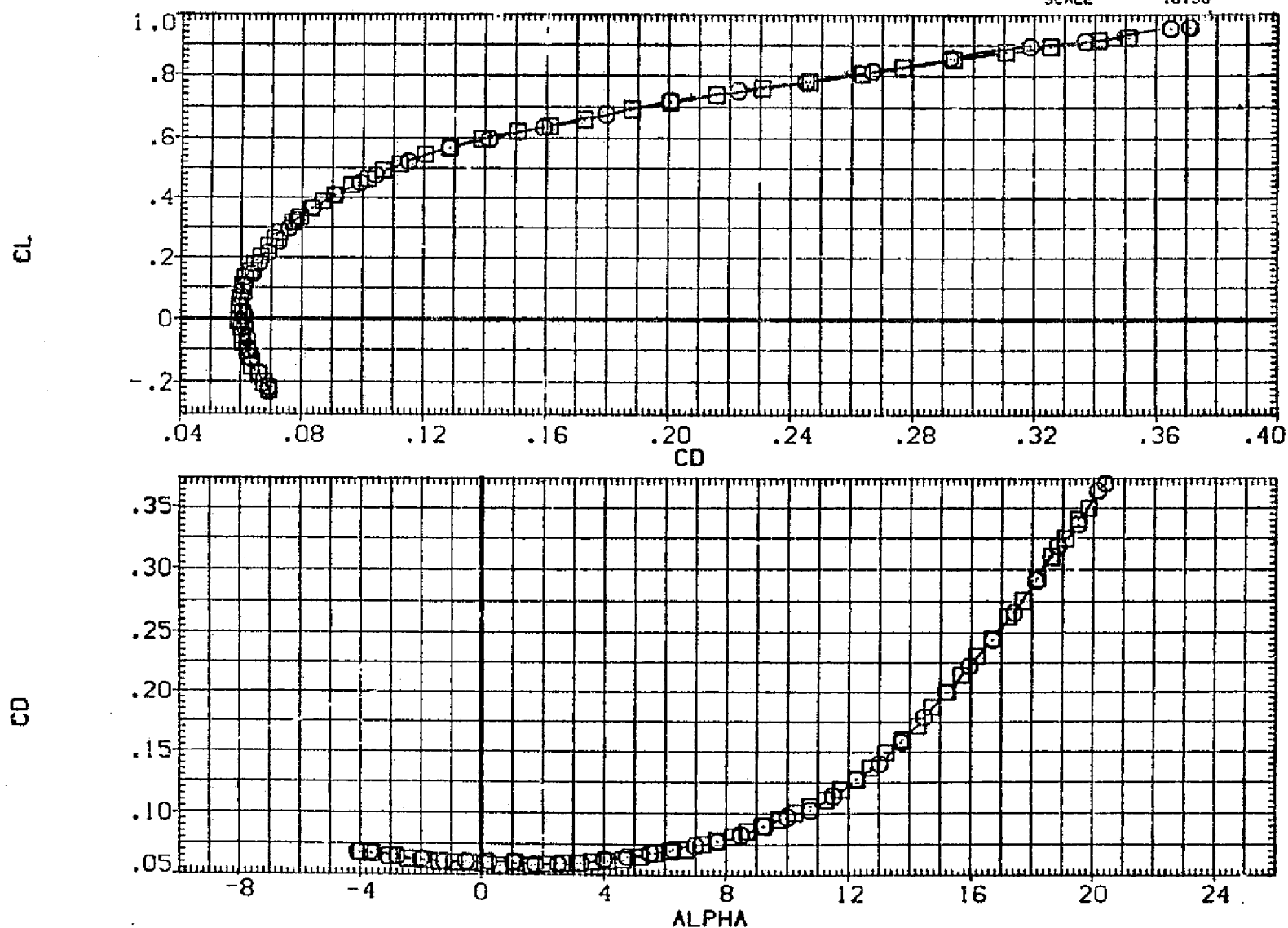


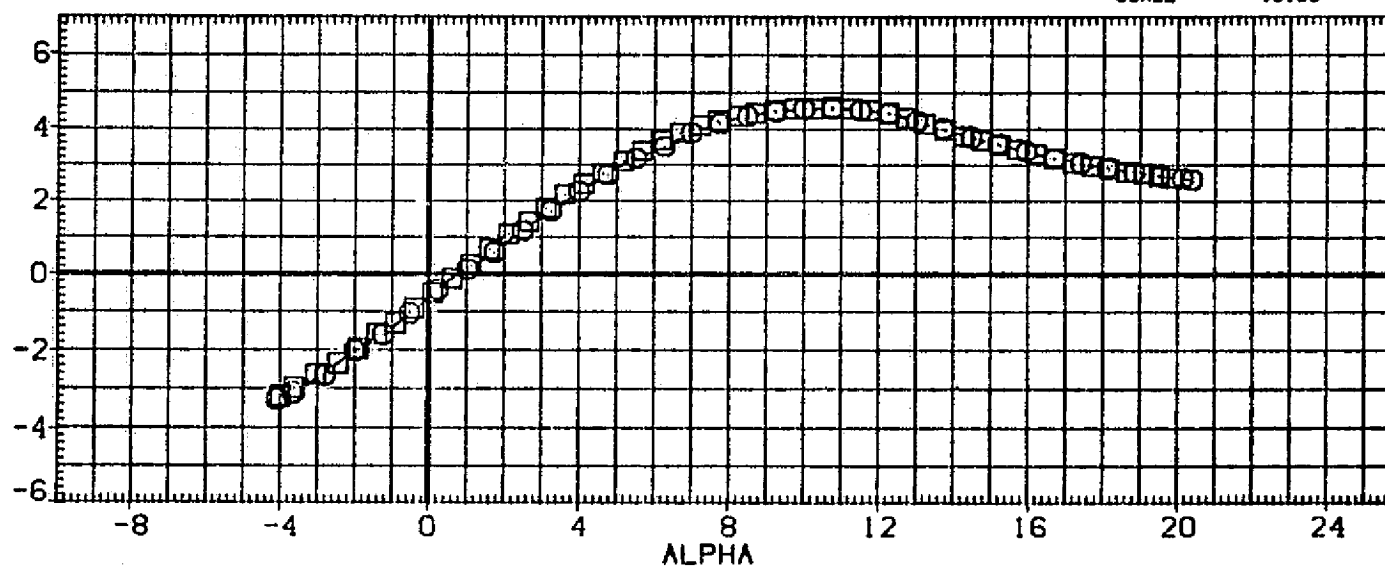


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP
(A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (SF0015)  LA67 (LTV 552) ORBITER 49-0
 (SF0017)  LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPOBRK	REFERENCE INFORMATION		
.000	5.000	-2.000	25.000	SREF	2690.0000	SQ.FT.
1.000	5.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

L/D



CLM

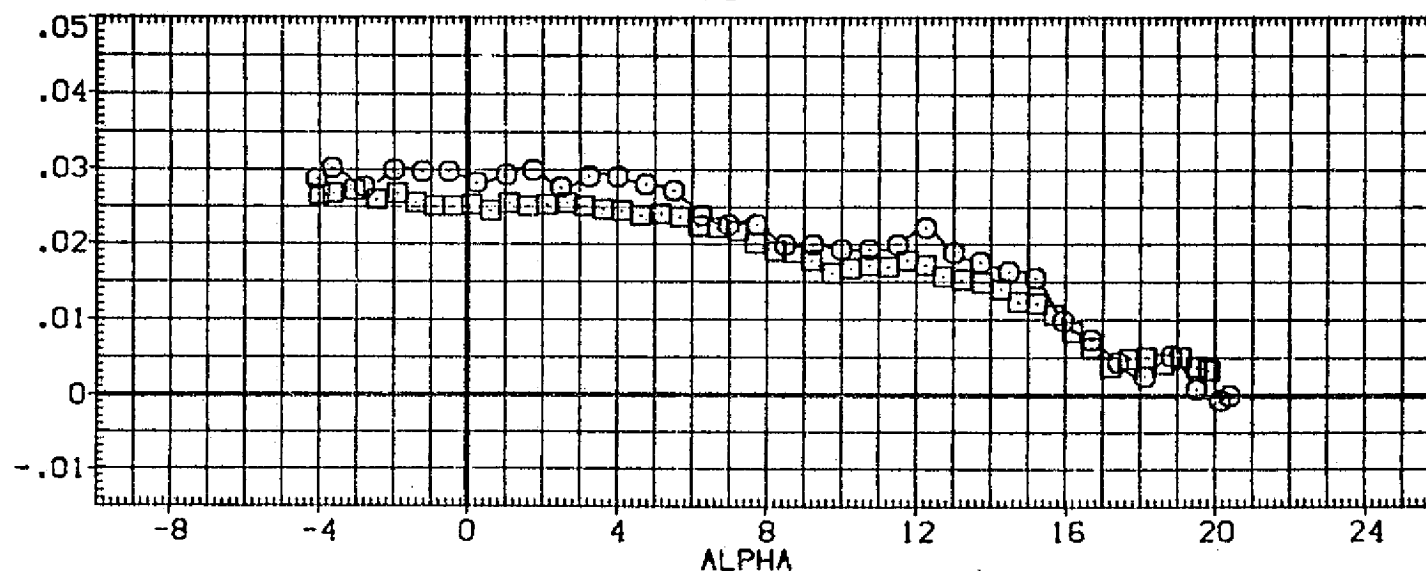


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0015)	LA67 (LTV 552) ORBITER 49-0
(SF0017)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION	
.000	5.000	-2.000	25.000	SREF	2890.0000 50.FT.
1.000	5.000	-2.000	25.000	LREF	474.8000 INCHES
				BREF	936.7000 INCHES
				XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

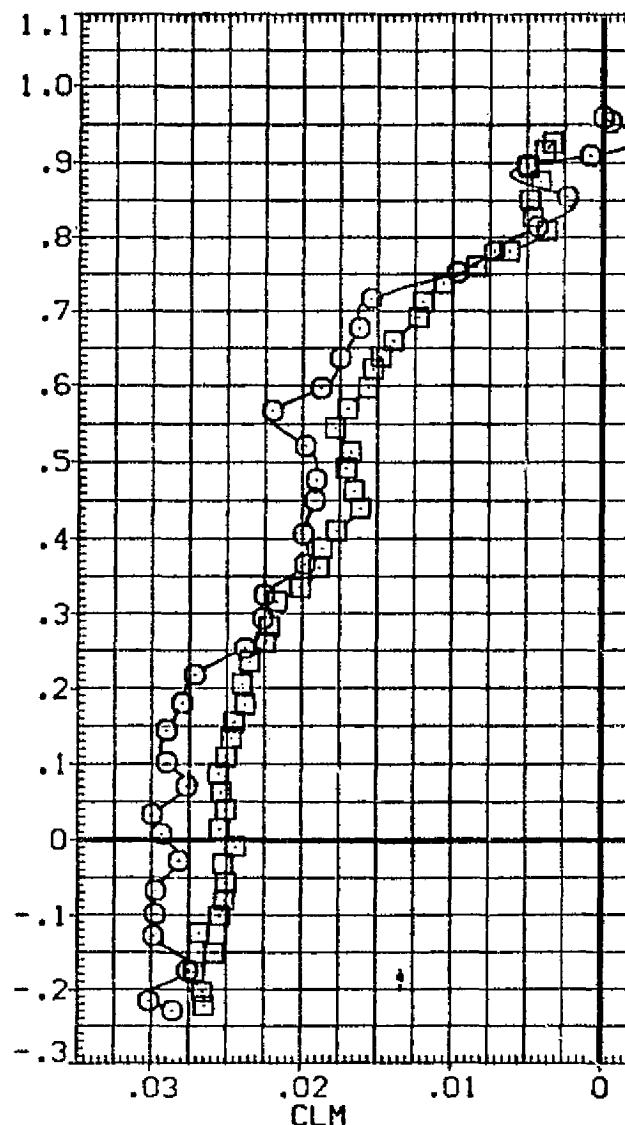
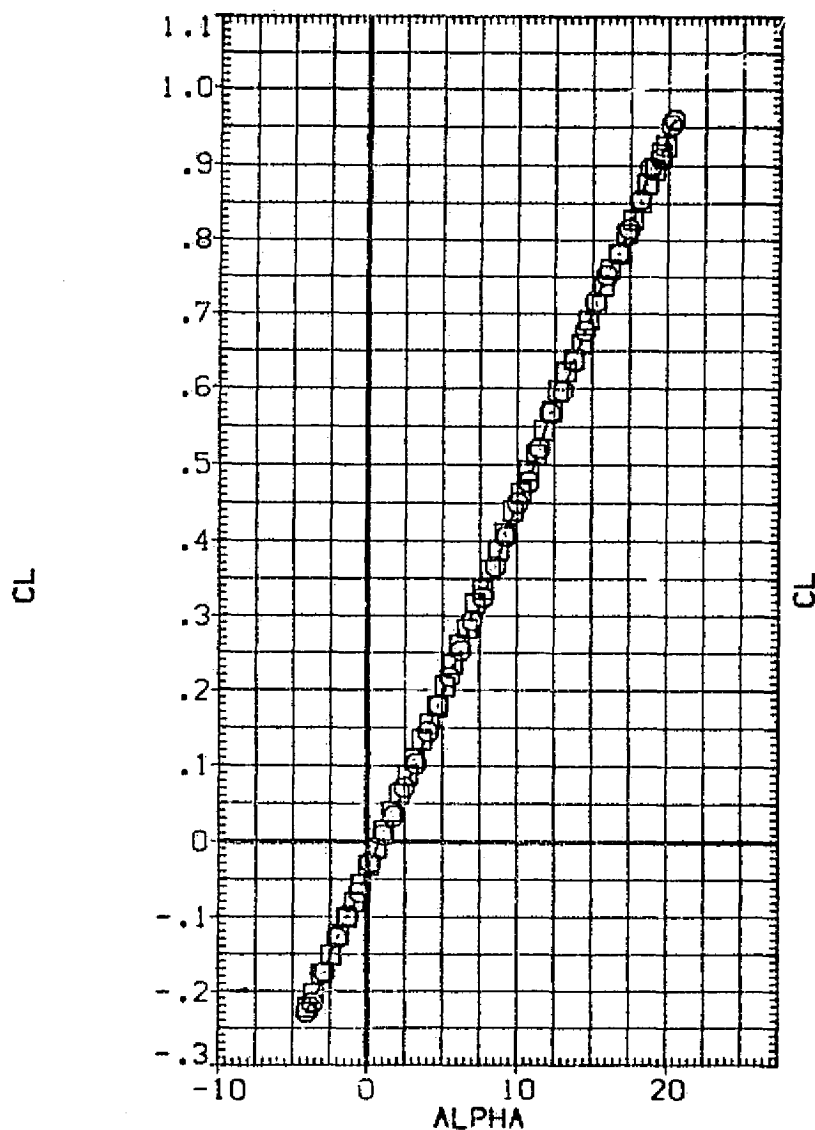


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD015) ○	LA67 (LTV 552) ORBITER 49-0
(AFD017) □	LA67 (LTV 552) ORBITER 49-0

RCSPQS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	5.000	-2.000	25.000	SREF	2690.0000	SQ.FT.
1.000	5.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. XO
				YMRP	.0000	IN. YO
				ZMRP	375.0000	IN. ZO
				SCALE	.0150	

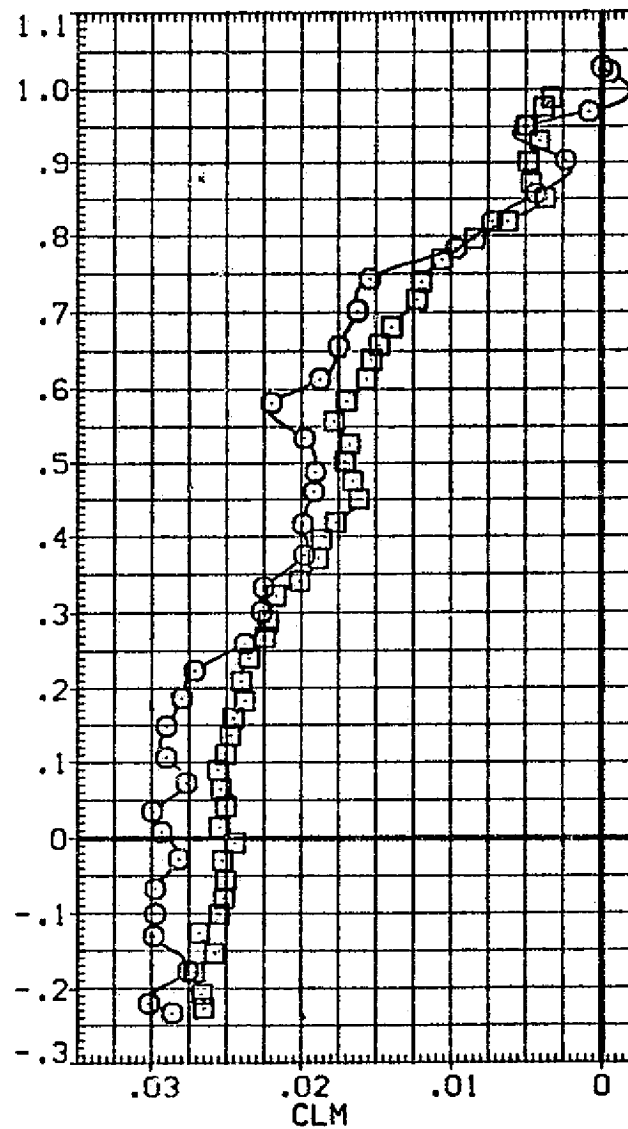
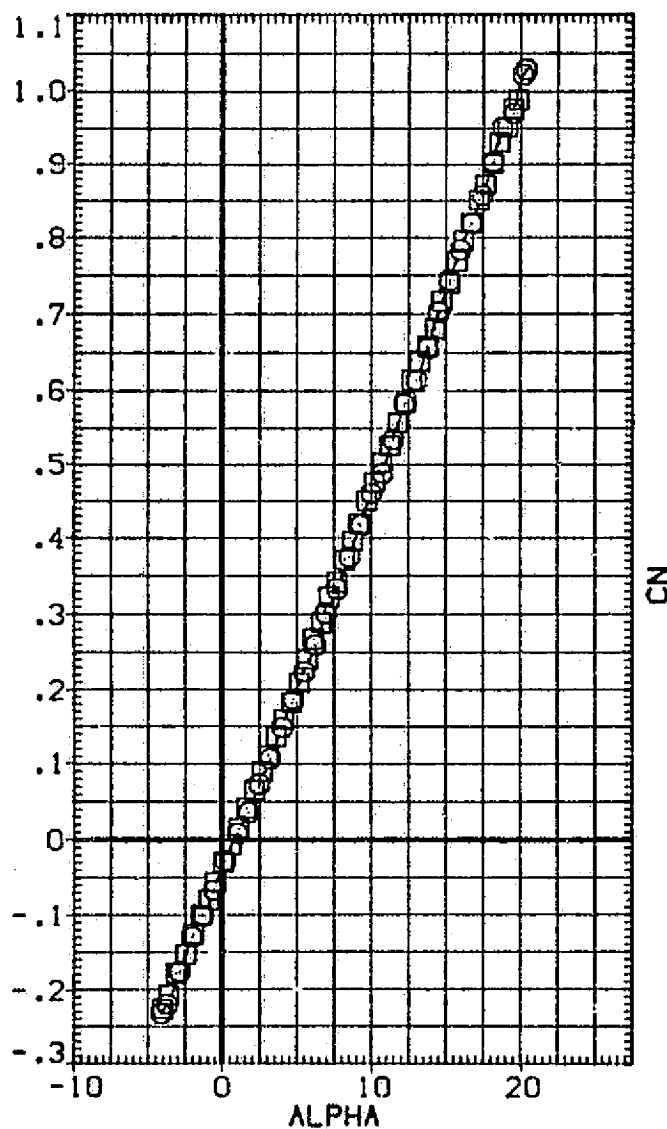


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD015)	LA67 (LTV 552) ORBITER 49-0
(AFD017)	LA67 (LTV 552) ORBITER 49-0

RCSPOS	RN/L	BETA	SPDBRK
.000	5.000	-2.000	25.000
1.000	5.000	-2.000	25.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.0000	INCHES
BREF	936.7000	INCHES
XMPP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

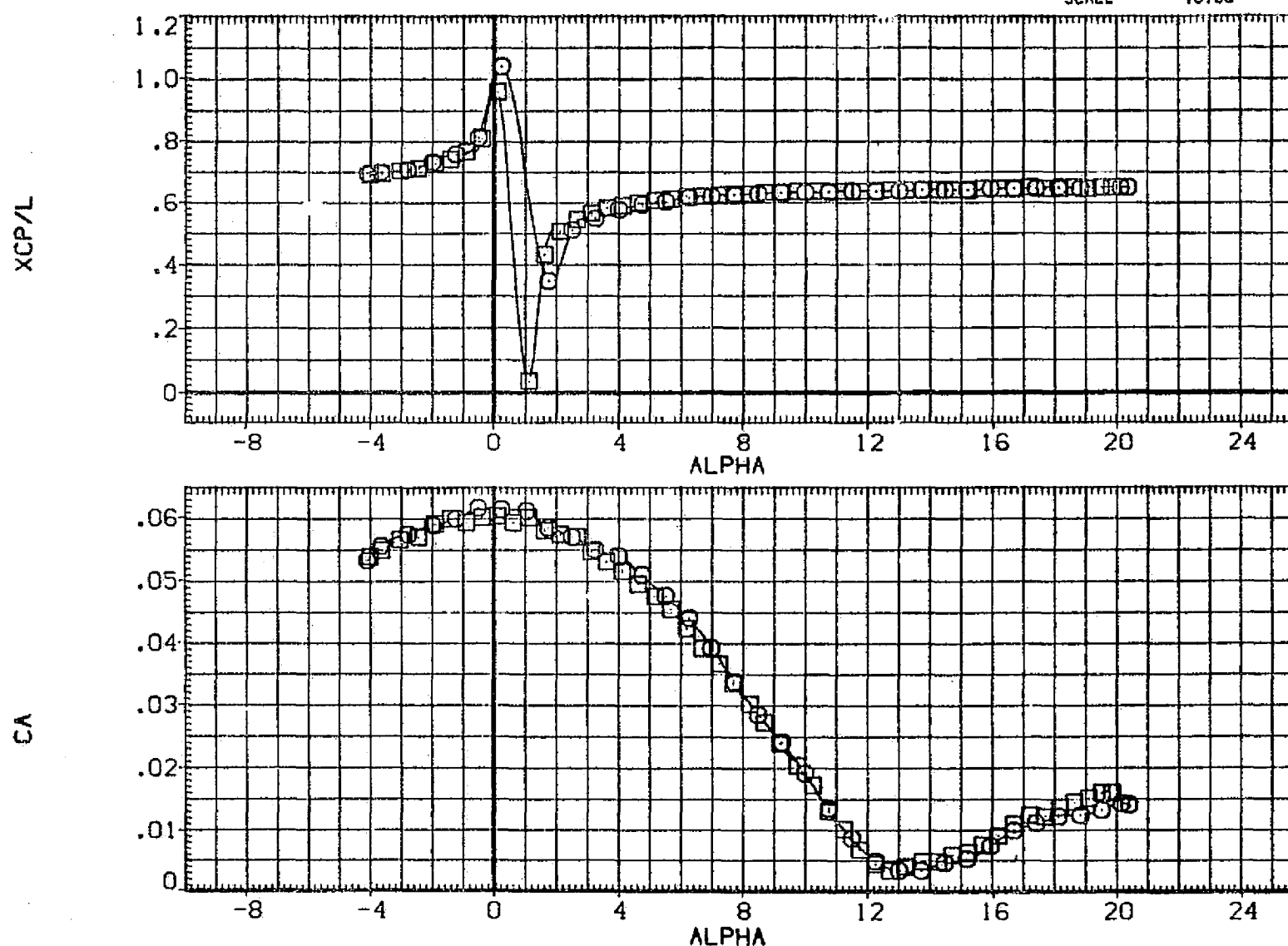


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AFD015) \square LA67 (LTV 552) ORBITER 49-0
 (AFD017) \square LA67 (LTV 552) ORBITER 49-0

RCSPQS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION	
.000	5.000	-2.000	25.000	SREF	2690.0000 50.FT.
1.000	5.000	-2.000	25.000	LREF	474.8000 INCHES
				BREF	936.7000 INCHES
				XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

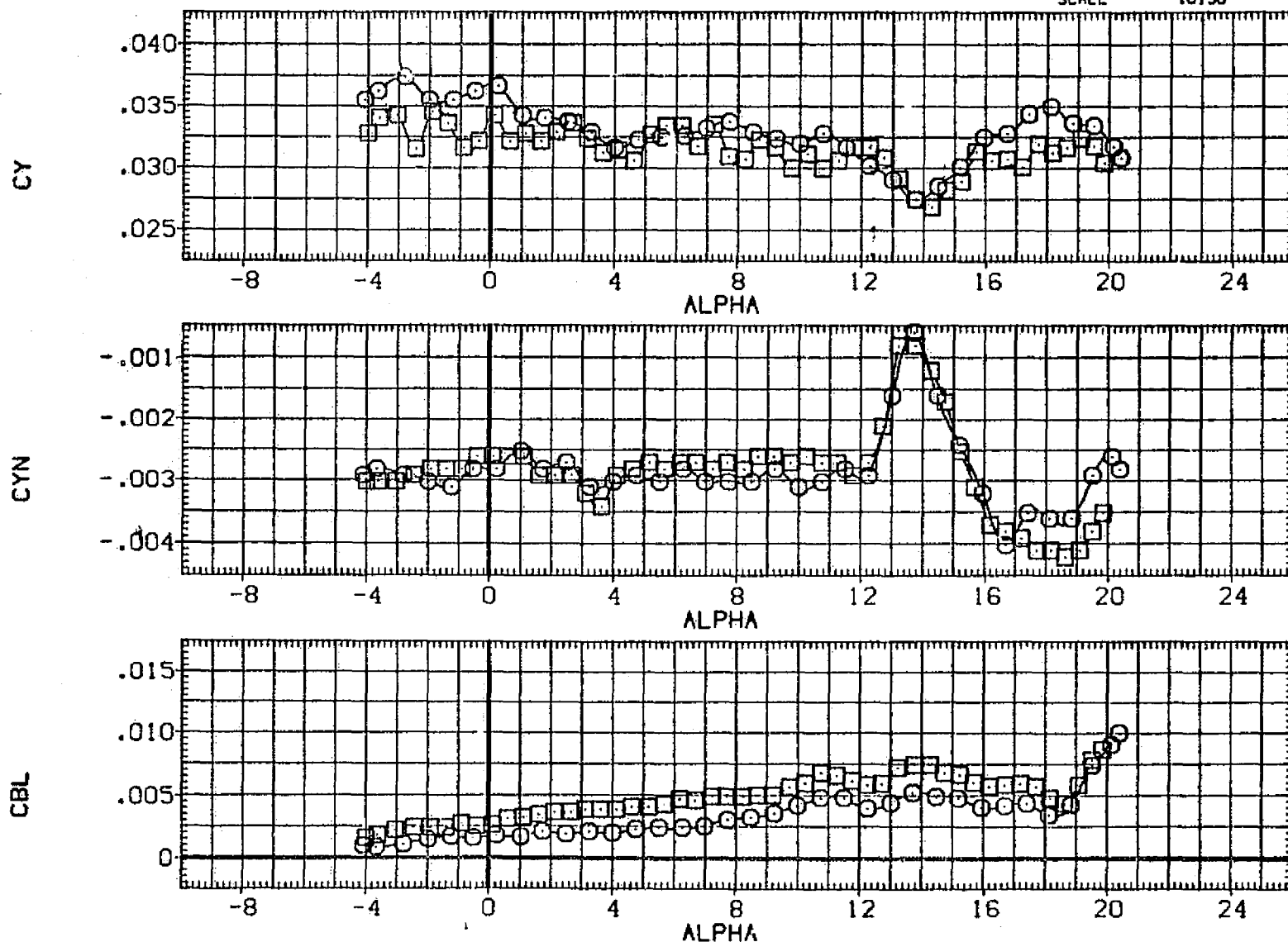




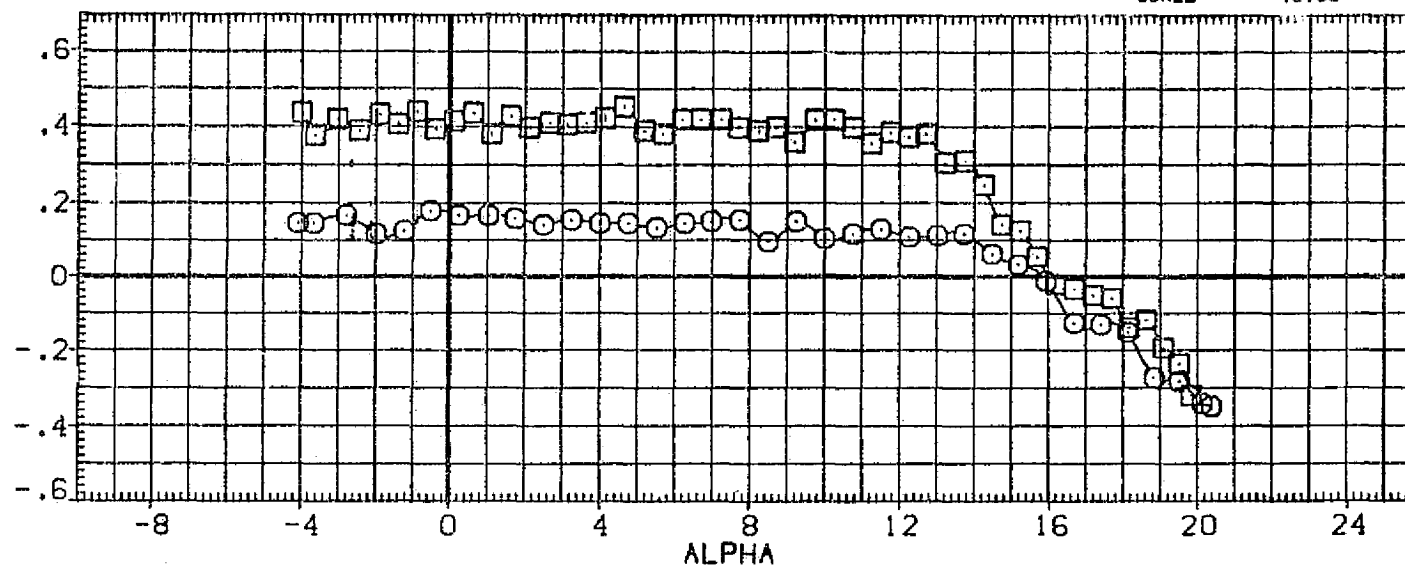
FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP
 (A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AFD015)  LA67 (LTV 552) ORBITER 49-0
 (AFD017)  LA67 (LTV 552) ORBITER 49-0

RCSPOS RN/L BETA SPDBRK
 .000 5.000 -2.000 25.000
 1.000 5.000 -2.000 25.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ. FT.
 LREF 474.6000 INCHES
 BREF 936.7000 INCHES
 XHRP 1076.7000 IN. Y0
 YHRP .0000 IN. Y0
 ZHRP 375.0000 IN. Z0
 SCALE .0150

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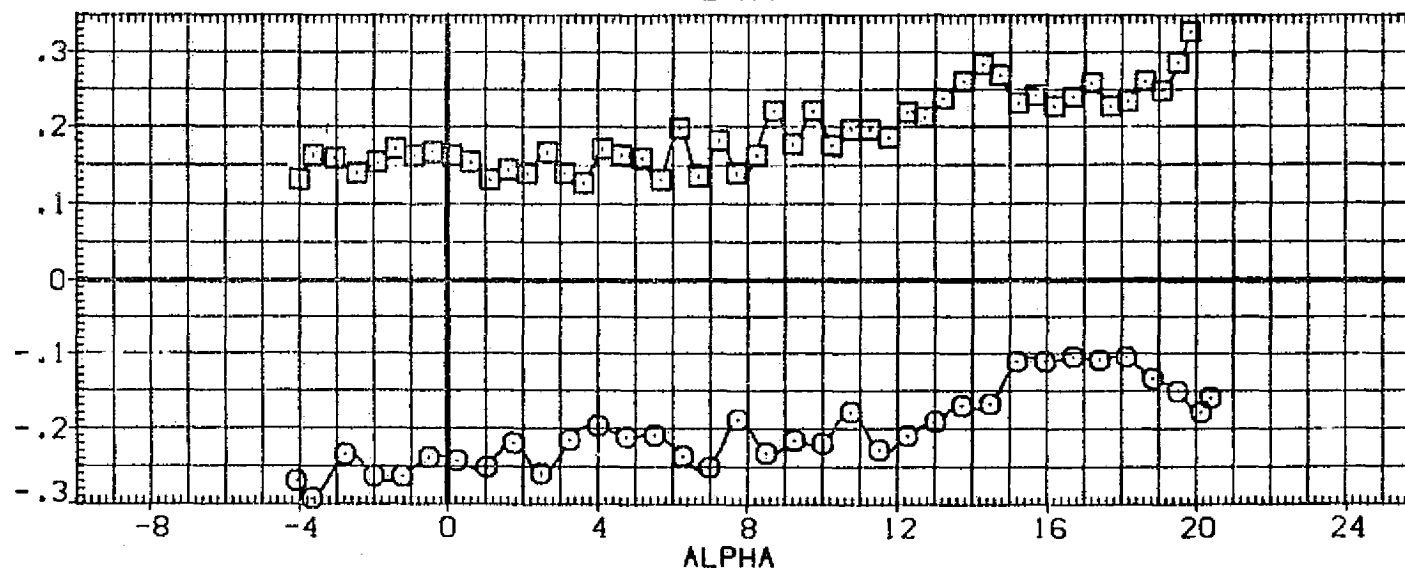




FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (YF0016)  LA67 (LTV 552) ORBITER 49-0
 (SF0018)  LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	-2.000	25.000	SREF	2690.0000	SQ.FT.
1.000	6.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

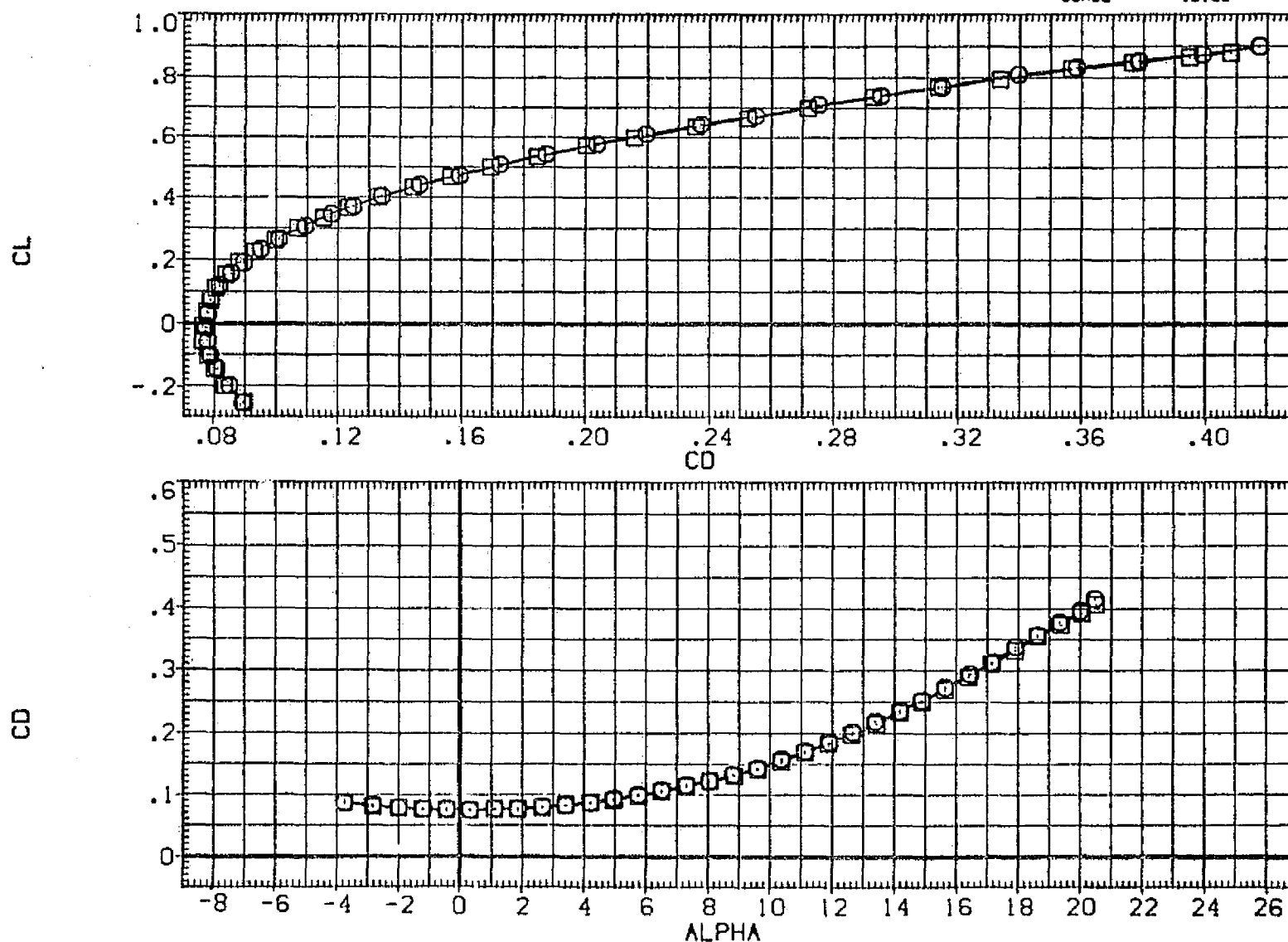


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (YFD016) □ LA67 (LTV 552) ORBITER 49-0
 (SFD018) □ LA67 (LTV 552) ORBITER 49-0

RCSPOS RN/L BETA SPDBRK
 .000 6.000 -2.000 25.000
 1.000 6.000 -2.000 25.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ. FT.
 LREF 474.8000 INCHES
 BREF 936.7000 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

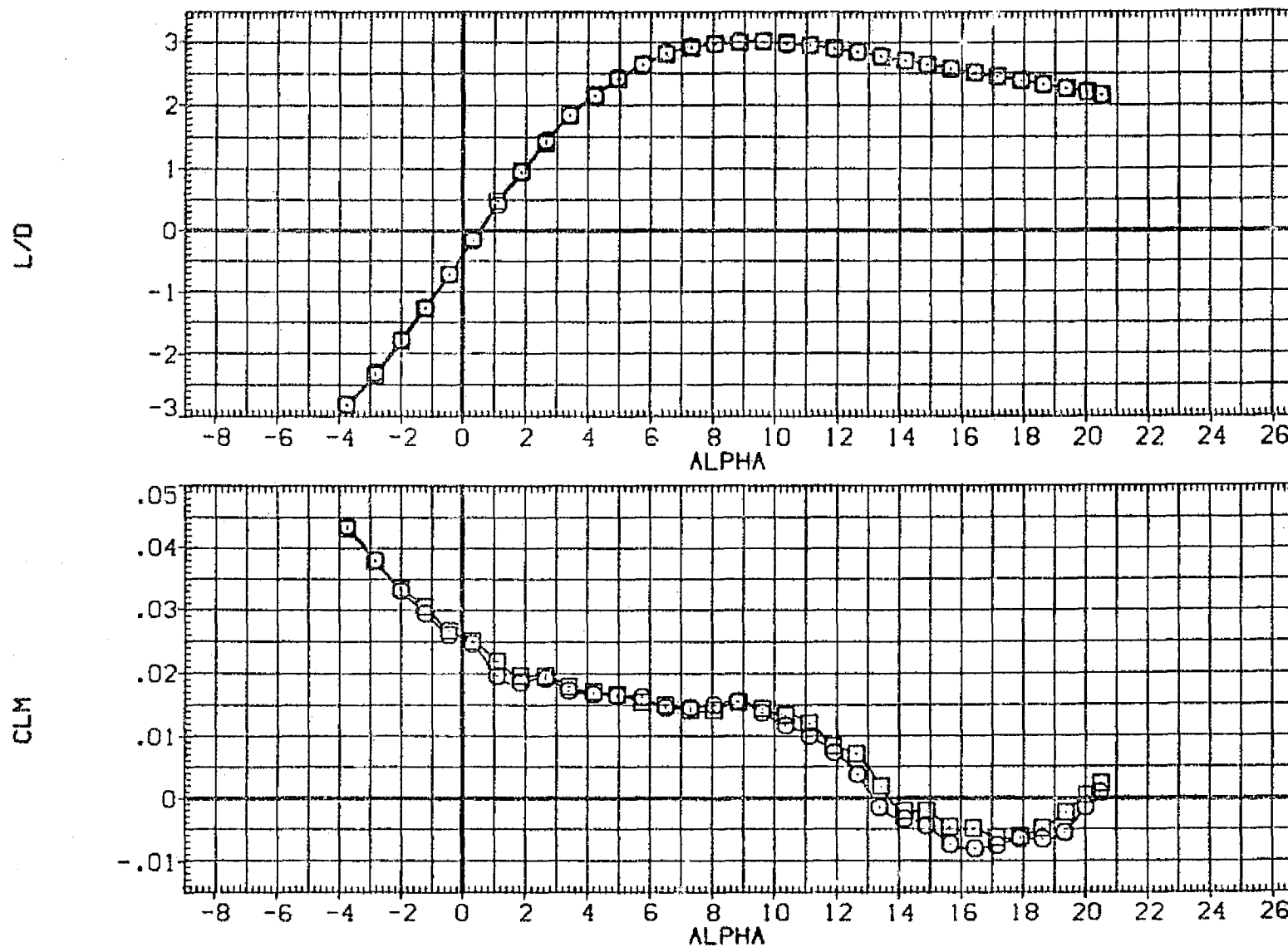


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YFD016)	LA67 (LTV 552) ORBITER 49-0
(SFD018)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	-2.000	25.000	SREF	2690.0000	50. FT.
1.000	6.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

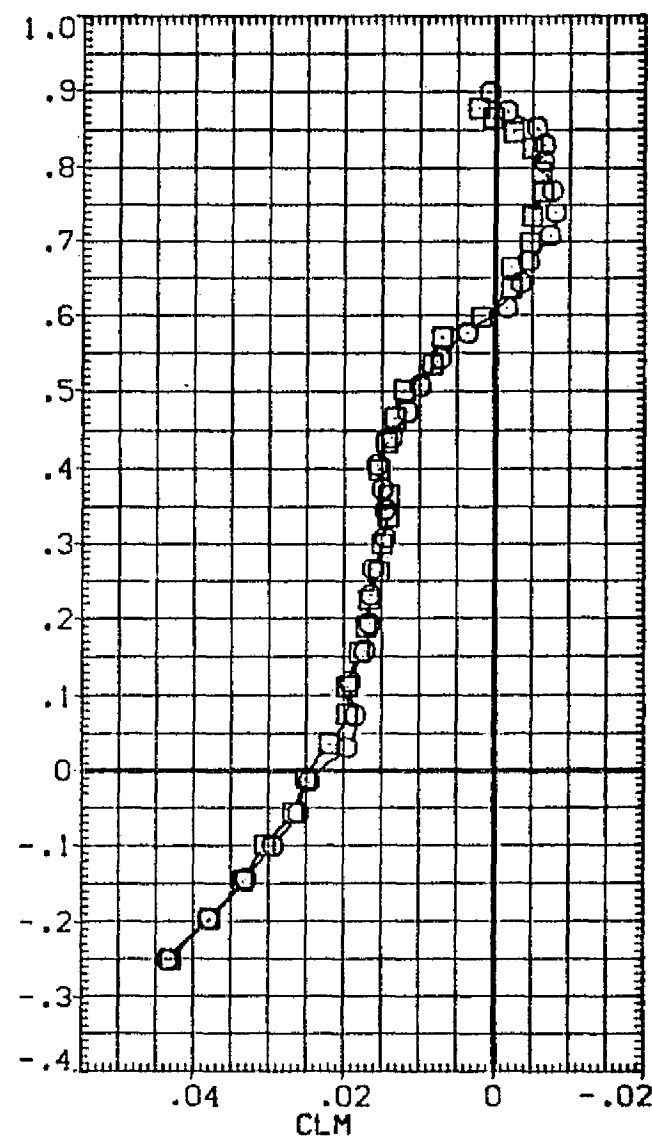
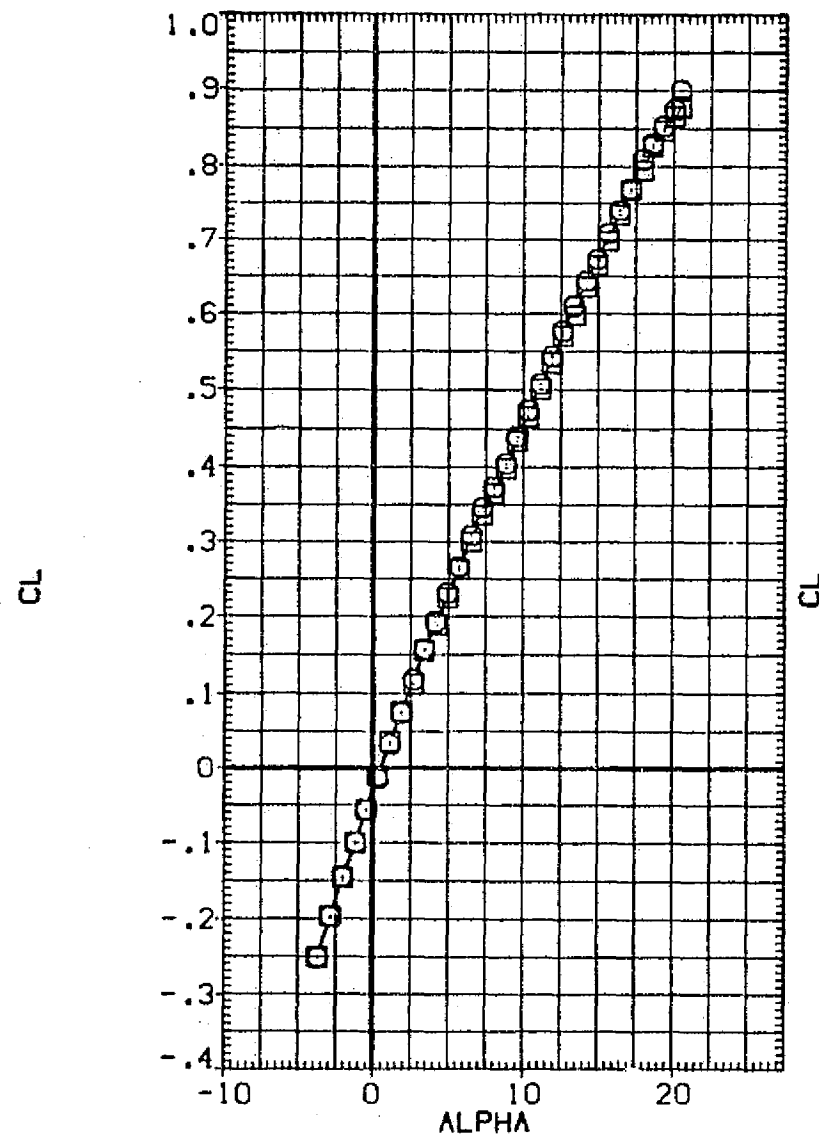




FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AF0016)  LAG7 (LTV 552) ORBITER 49-0
 (AF0018)  LAG7 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	-2.000	25.000	SREF	2690.0000	SQ.FT.
1.000	6.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. Y0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

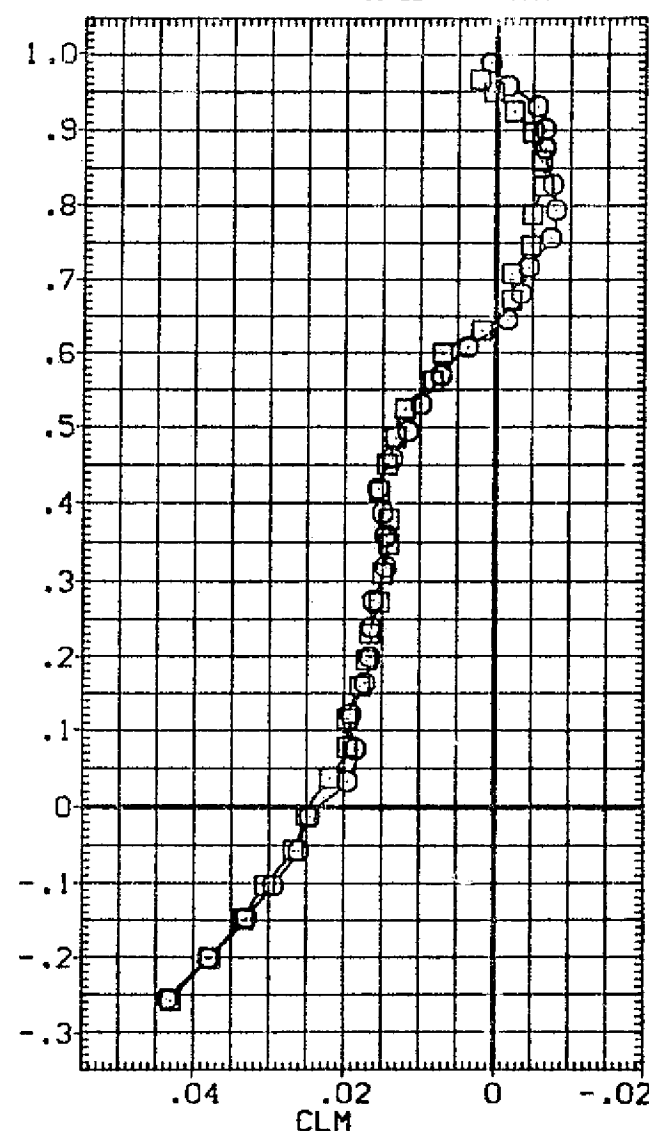
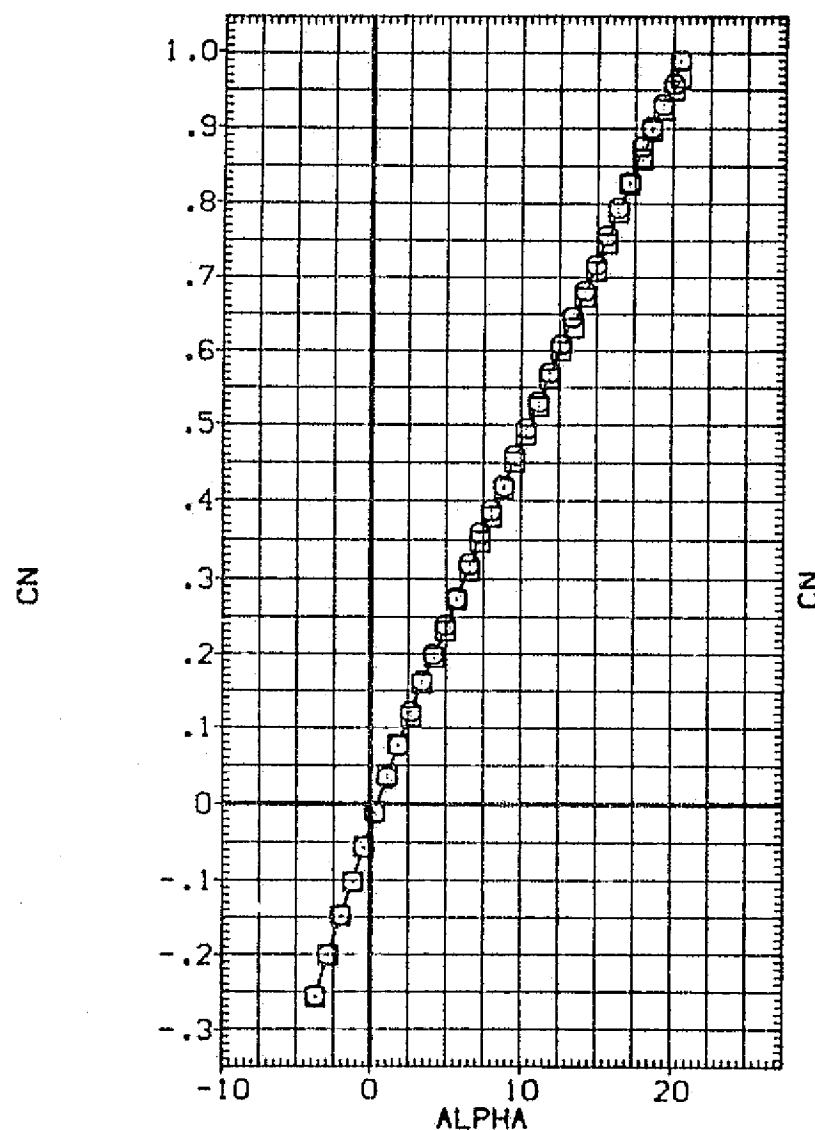


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AFD016) \square LA67 (LTV 552) ORBITER 49-0
 (AFD018) \circ LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	-2.000	25.000	SREF	2690.0000	50. FT.
1.000	6.000	-2.000	25.000	LREF	474.000	INCHES
				BREF	936.000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

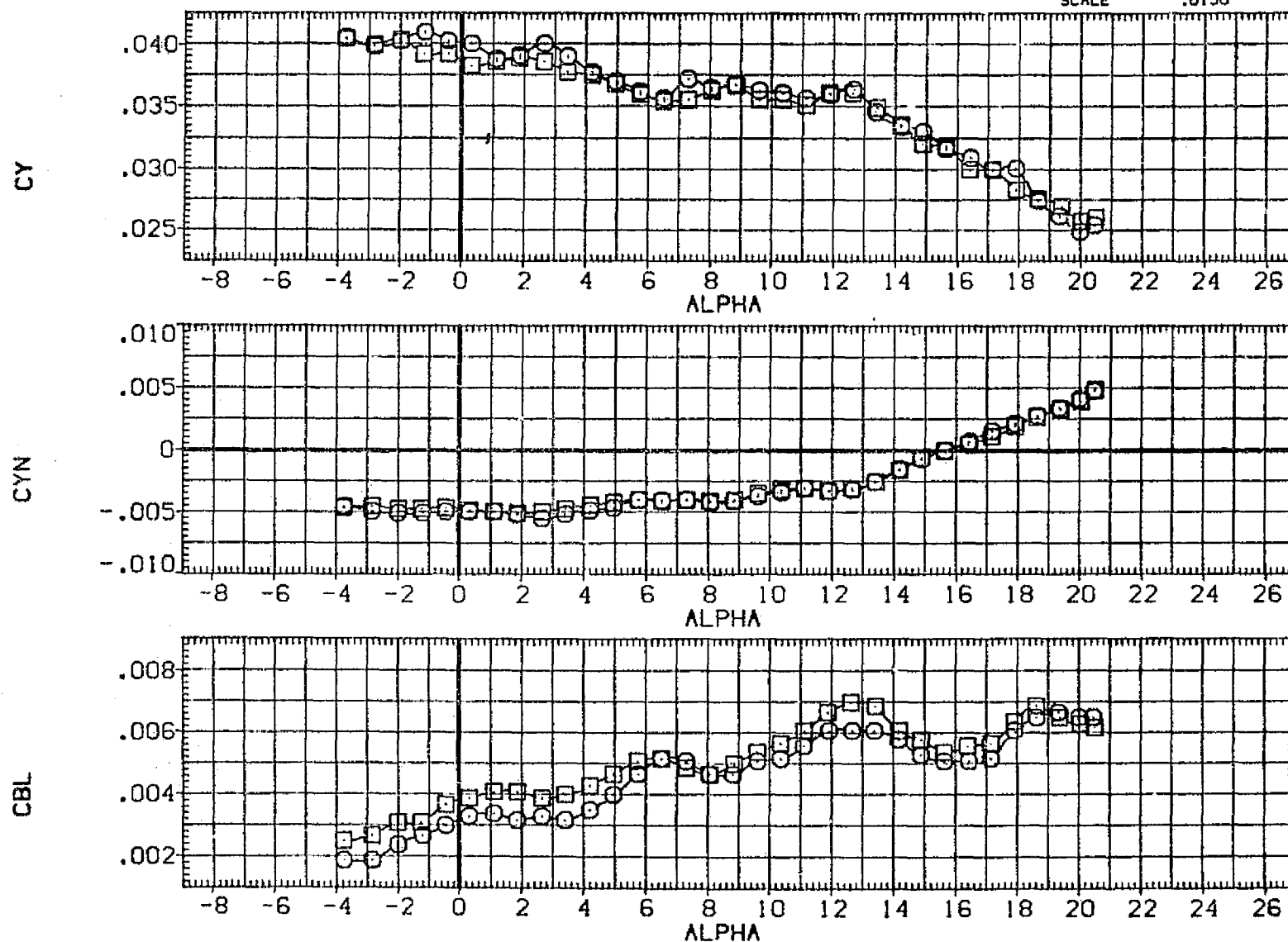


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD016)	LA67 (LTV 552) ORBITER 49-0
(AFD018)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	-2.000	25.000	SREF	2690.0000	50. FT.
1.000	6.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

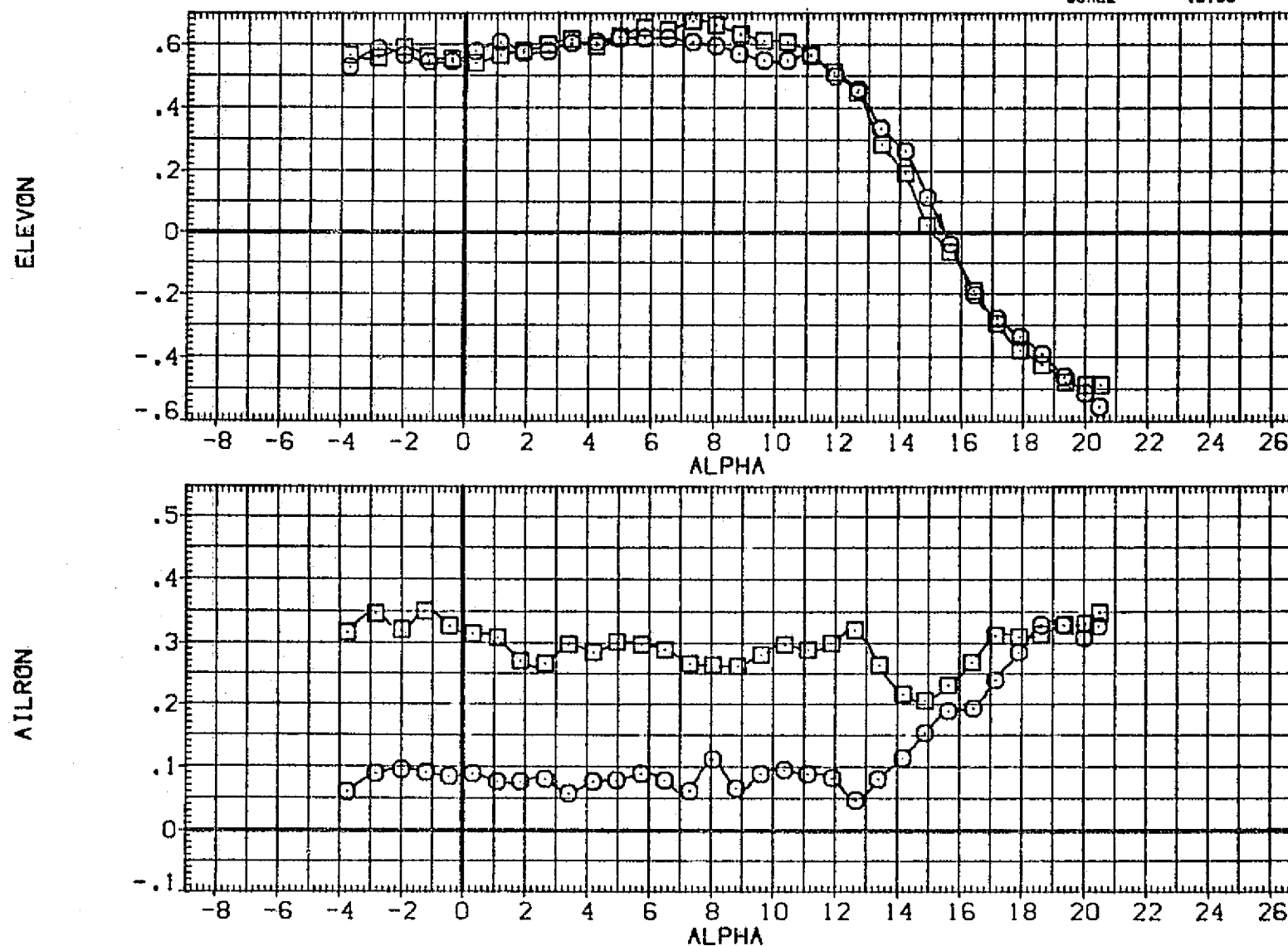


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0016) □	LA67 (LTV 552) ORBITER 49-0
(SF0018) □	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION	
.000	6.000	-2.000	25.000	SREF	2690.0000 SQ.FT.
1.000	6.000	-2.000	25.600	LREF	474.8000 INCHES
				BREF	936.7000 INCHES
				XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Y0
				SCALE	.0150

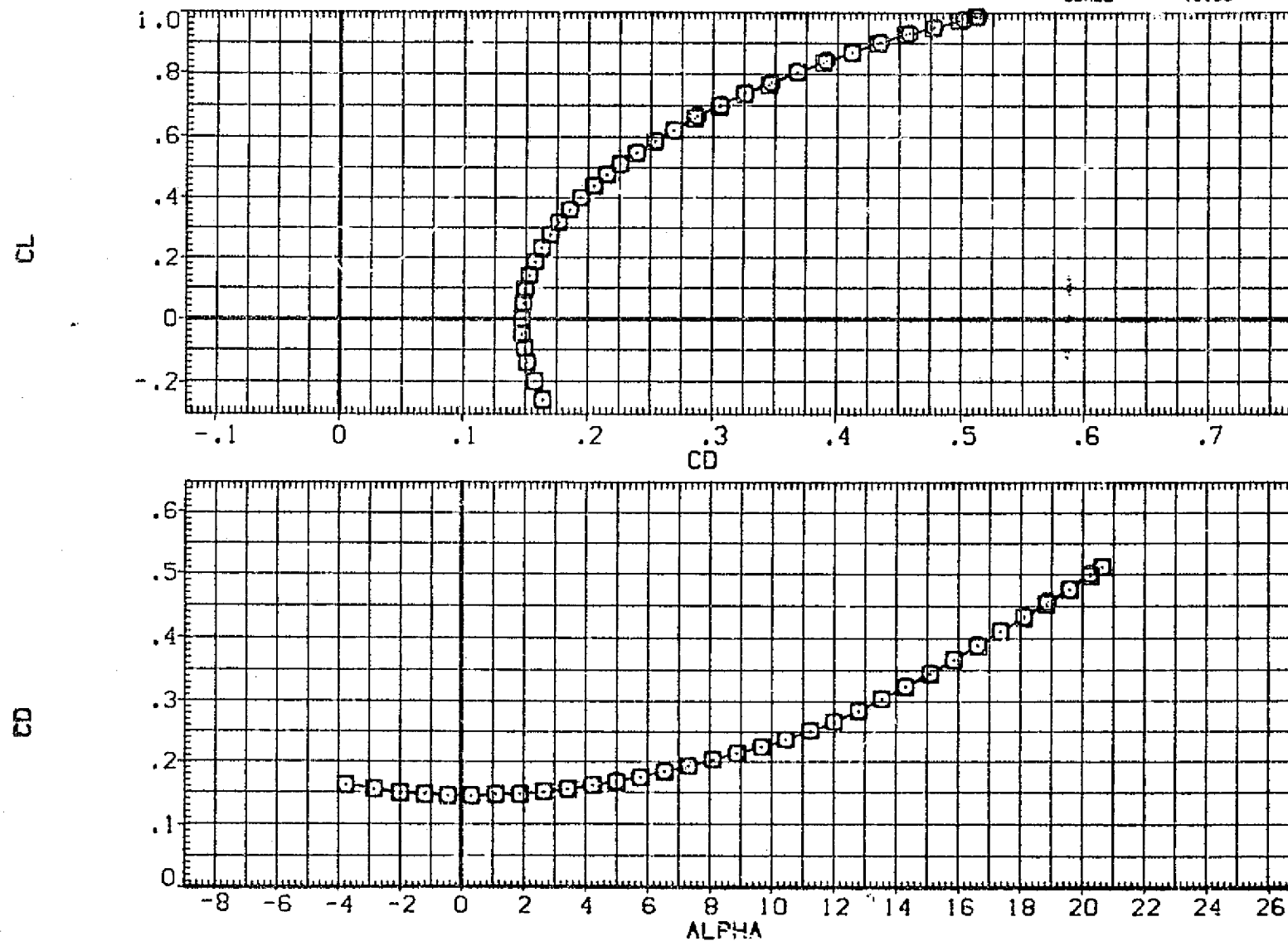


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SFD016)	LA67 (LTV 552) ORBITER 49-0
(SFD018)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION	
.000	6.000	-2.000	25.000	SREF	2690.0000 SQ.FT.
1.000	6.000	-2.000	25.000	LREF	474.8000 INCHES
				BREF	936.7000 INCHES
				XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

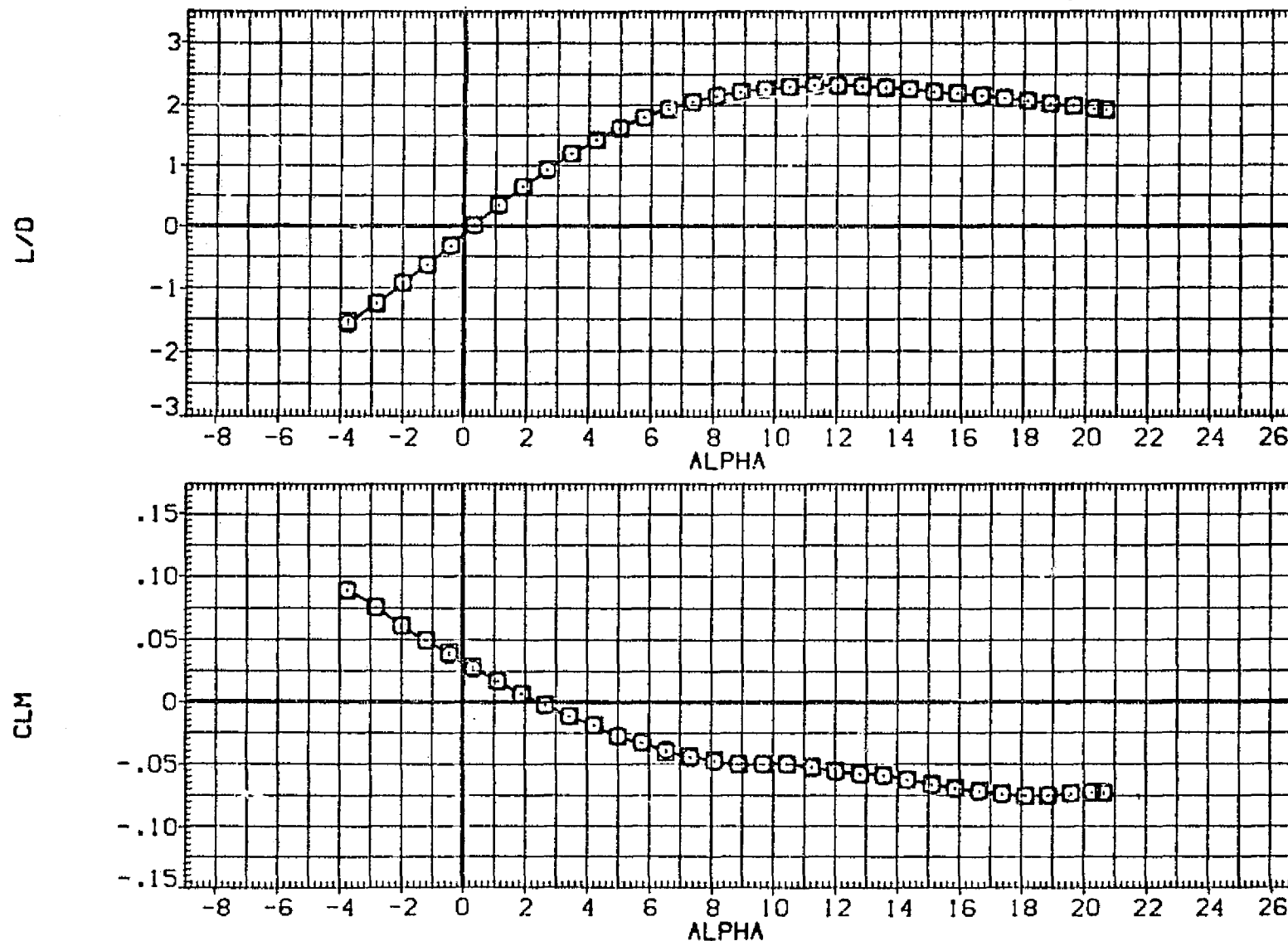




FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (SF0016)  LA67 (LTV 552) ORBITER 49-0
 (SF0018)  LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	8.000	-2.000	25.000	SREF	2690.0000	SQ.FT.
1.000	6.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	938.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

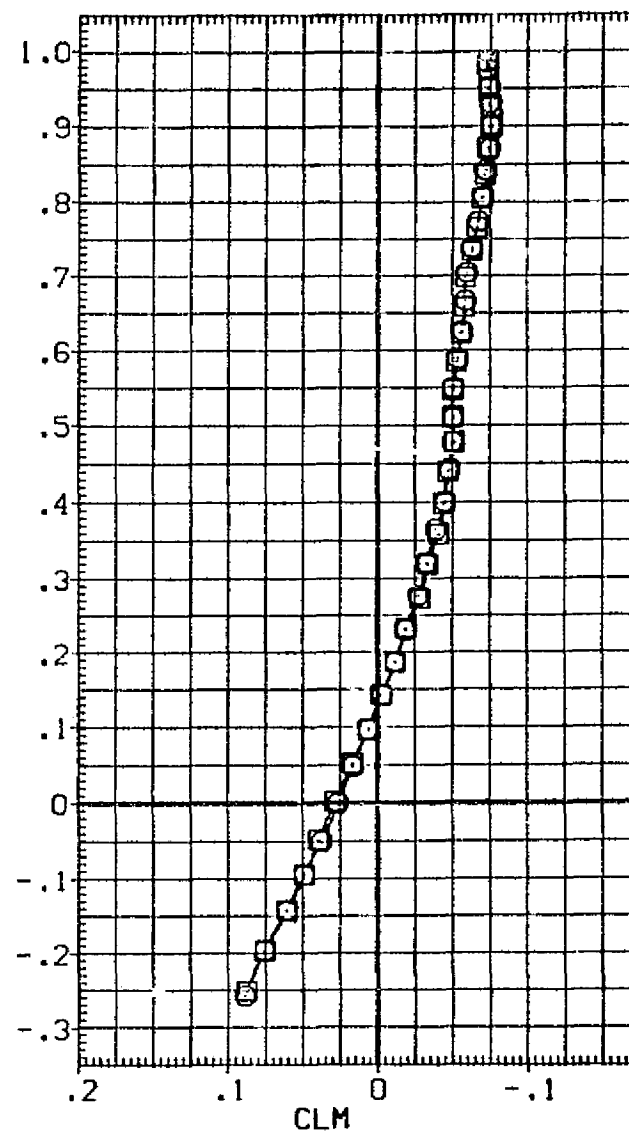
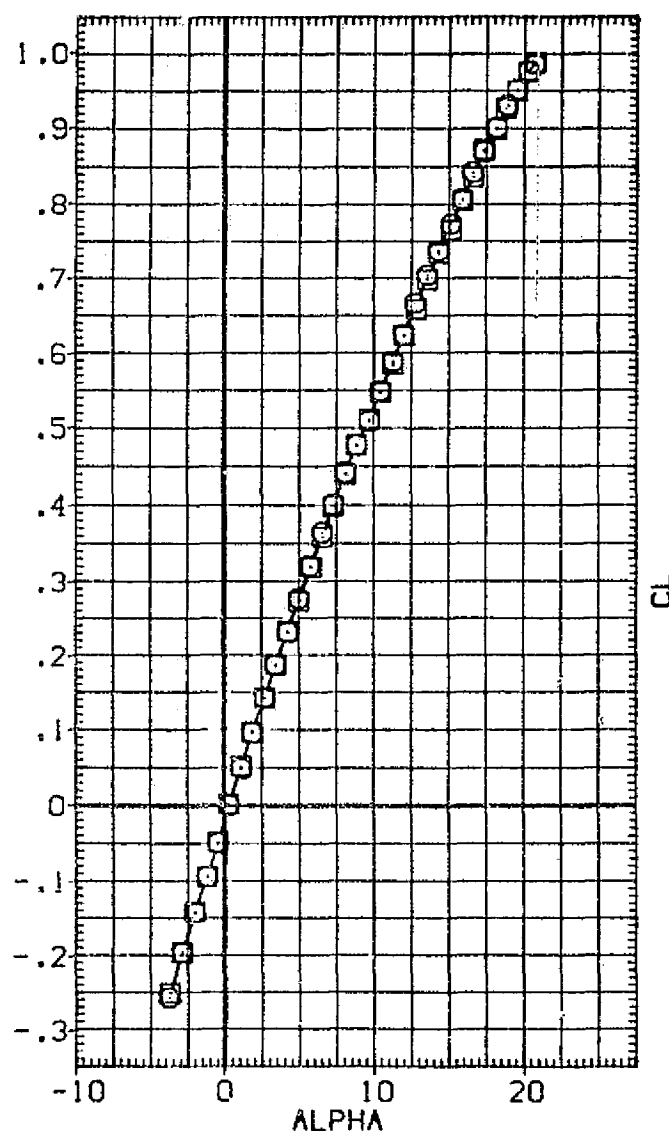


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD016)	LA67 (LTV 552) ORBITER 49-0
(AFD018)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SP0BRK	REFERENCE INFORMATION		
.000	6.000	-2.000	25.000	SREF	2690.0000	50.FT.
1.000	6.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

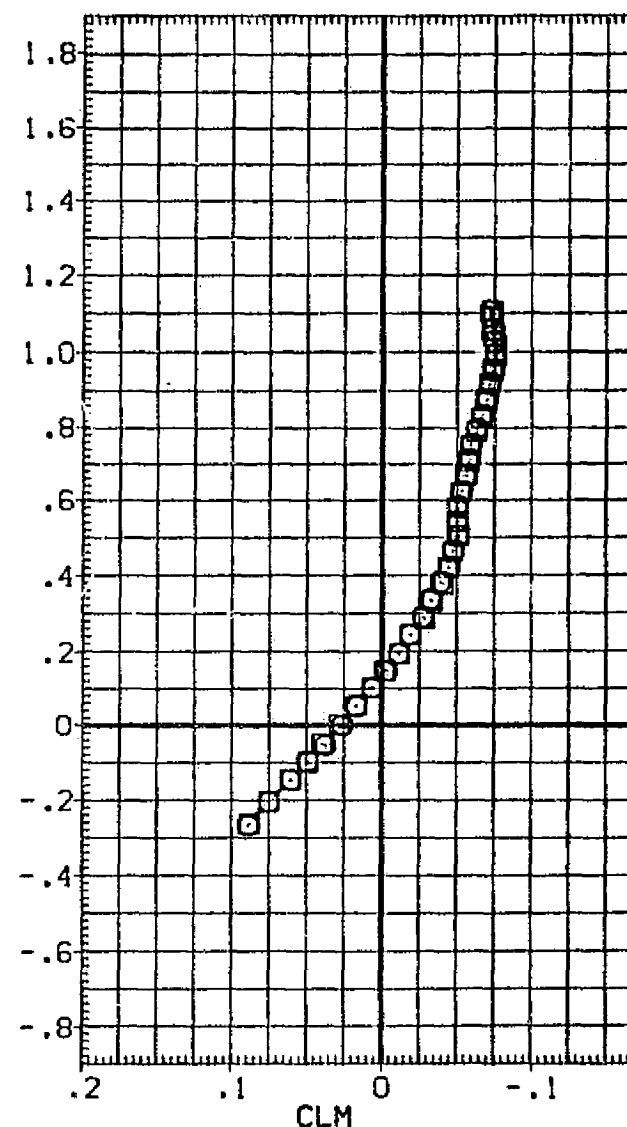
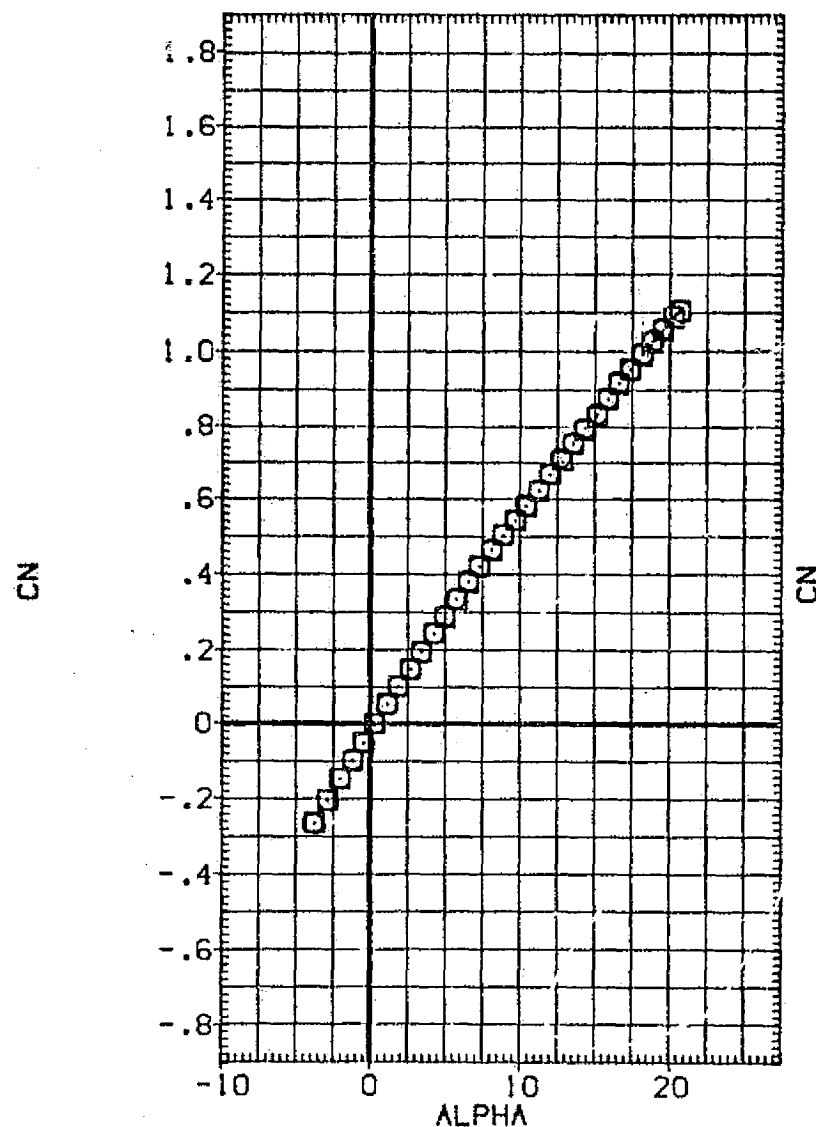


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD016)	LA67 (LTV 552) ORBITER 49-0
(AFD018)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	-2.000	25.000	SREF	2690.0000	50. FT.
1.000	6.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

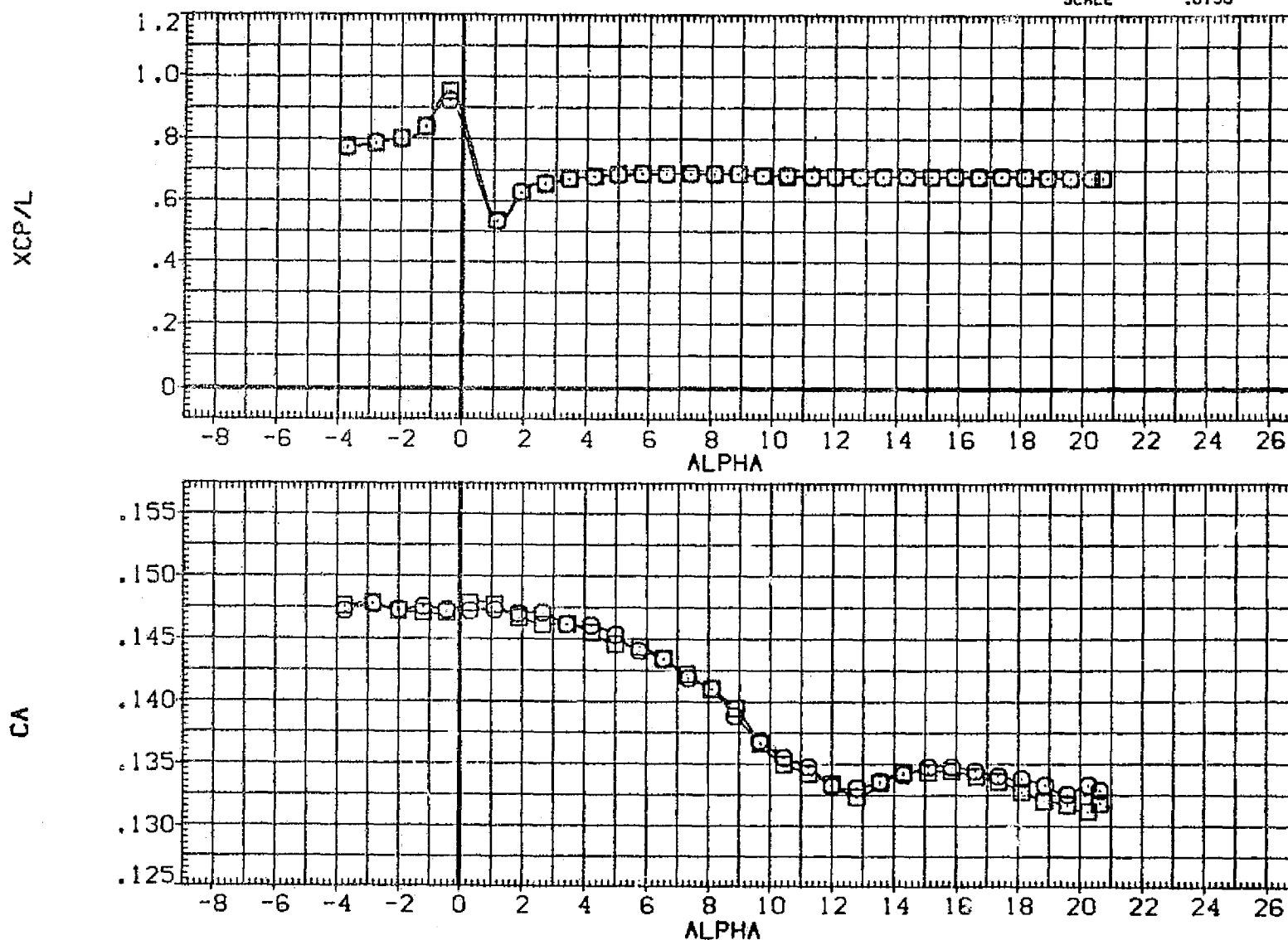


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AFD016) □ LA67 (LTV 552) ORBITER 49-0
 (AFD018) □ LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	6.000	-2.000	25.000	SREF	2690.0000	50. FT.
1.000	6.000	-2.000	25.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

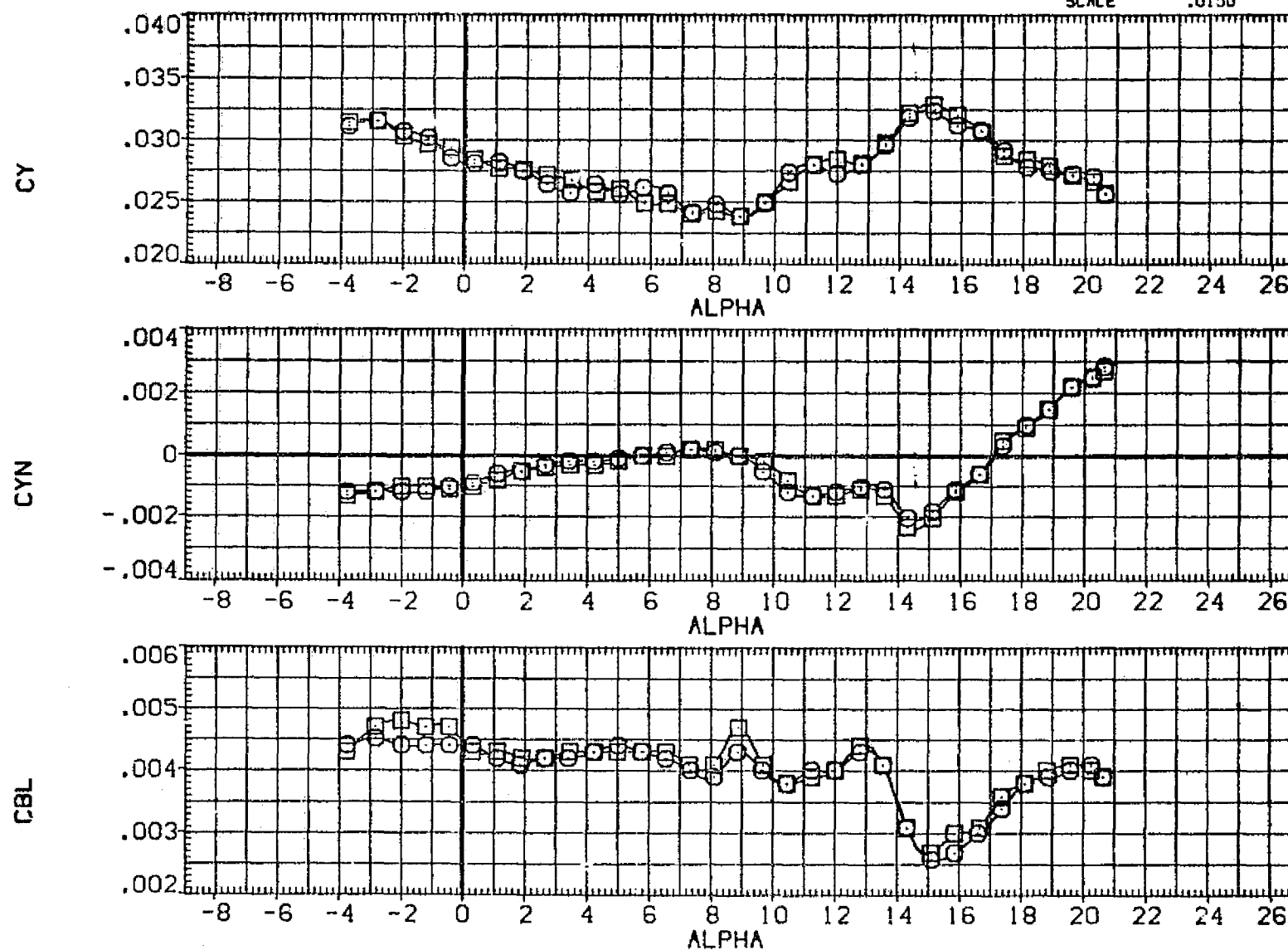


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(AFD016)	LA67 (LTV 552)	ORBITER 49-0
(AFD018)	LA67 (LTV 552)	ORBITER 49-0

RCSPDS	RN/L	BETA	SPOBRK
.000	6.000	-2.000	25.000
1.000	6.000	-2.000	25.000

REFERENCE INFORMATION		
SREF	2600.0000	50.FT.
LREF	474.8000	INCHES
BREF	978.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

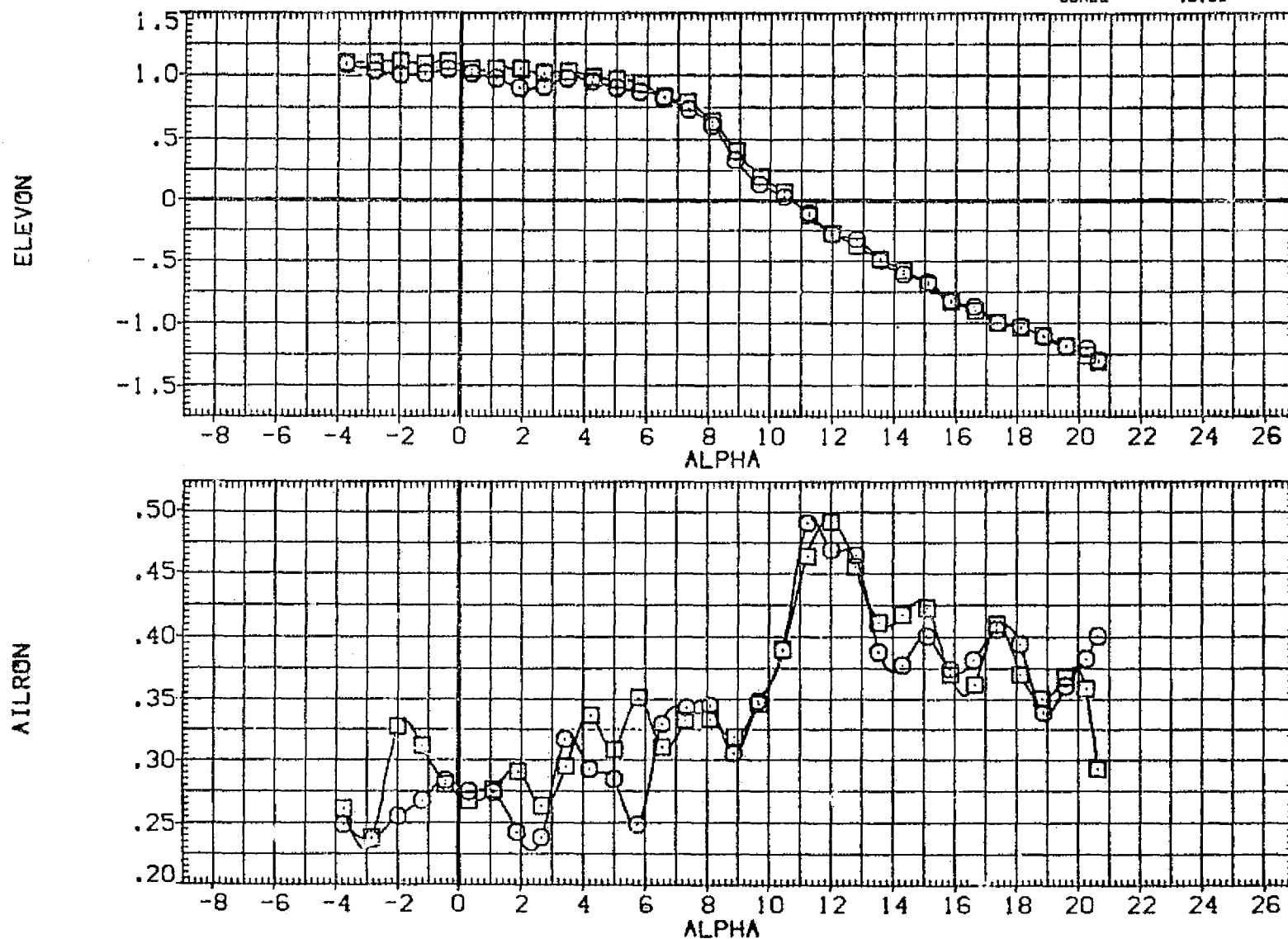


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP
(A)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (SFL 7) ☐ LA67 (LTV 552) ORBITER 49-0
 (SF0038) ☐ LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	16.000	1.000	55.000	SREF	2690.0000	50.FT.
1.000	16.000	1.000	55.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRF	1076.7000	IN. X0
				YMRF	.0000	IN. Y0
				ZMRF	375.0000	IN. Z0
				SCALE	.0150	

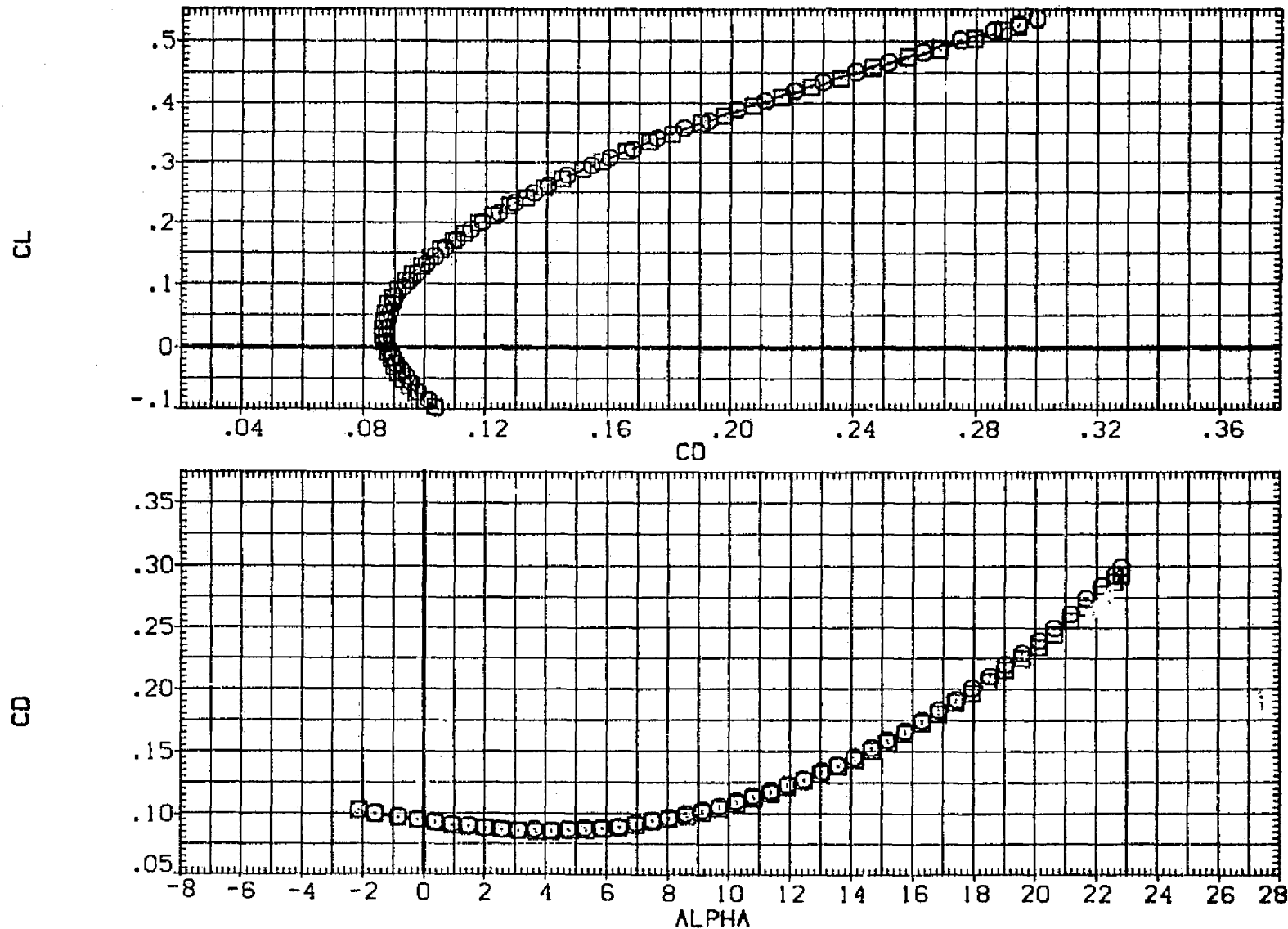




FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = 4.60

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (SFD037)  LA67 (LTV 552) ORBITER 49-0
 (SFD038)  LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	16.000	1.000	55.000	SREF	2690.0000	50. FT.
1.000	16.000	1.000	55.000	LREF	474.5000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

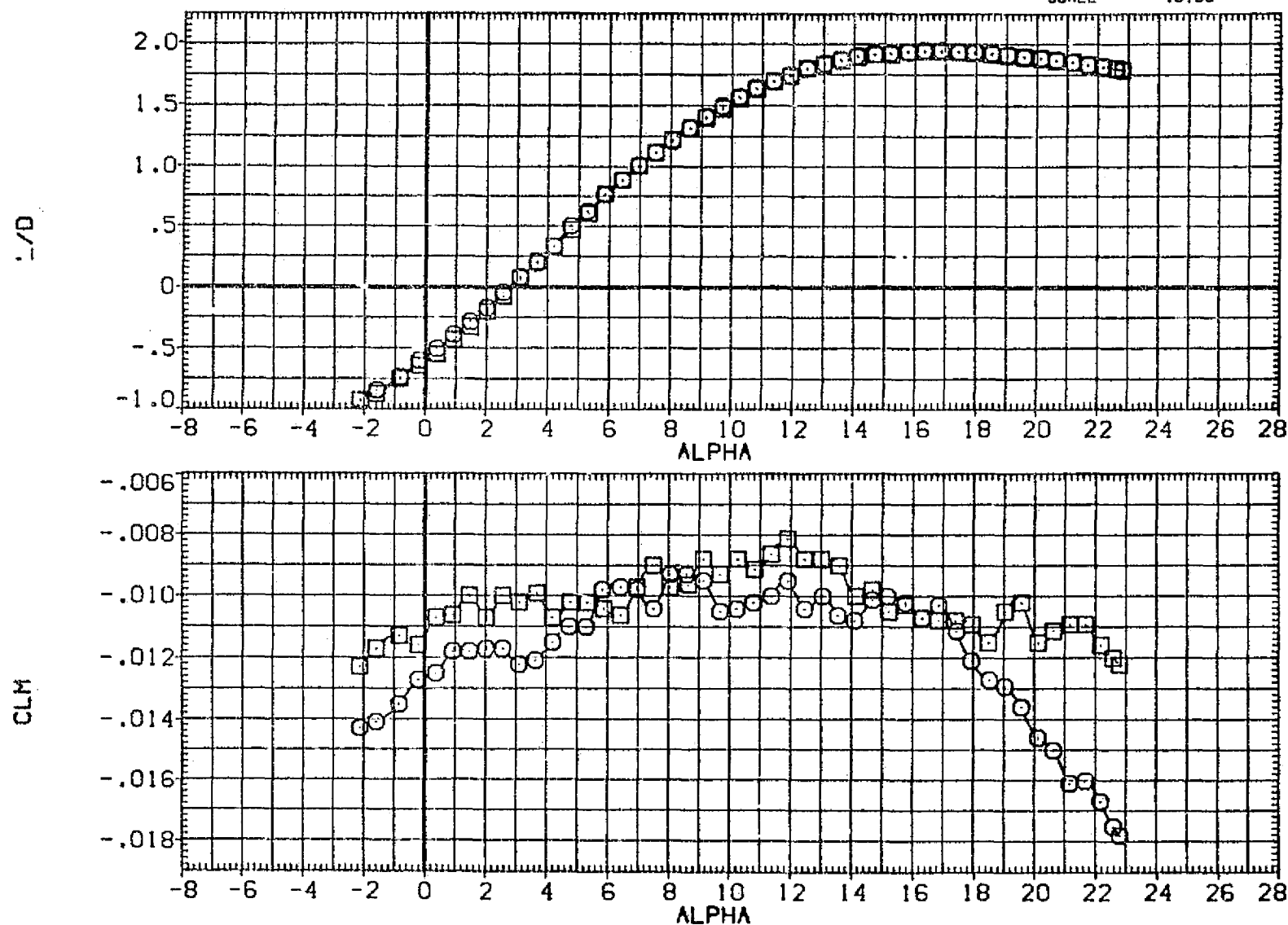


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SF0037)	LA67 (LTV 552) ORBITER 49-0
(SF0038)	LA67 (LTV 552) ORBITER 49-0

RCSPOS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	16.000	1.000	55.000	SREF 2690.0000 50.FT.
1.000	16.000	1.000	55.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRF 1076.7000 IN. X0
				YMRF .0000 IN. Y0
				ZMRF 375.0000 IN. Z0
				SCALE .0150

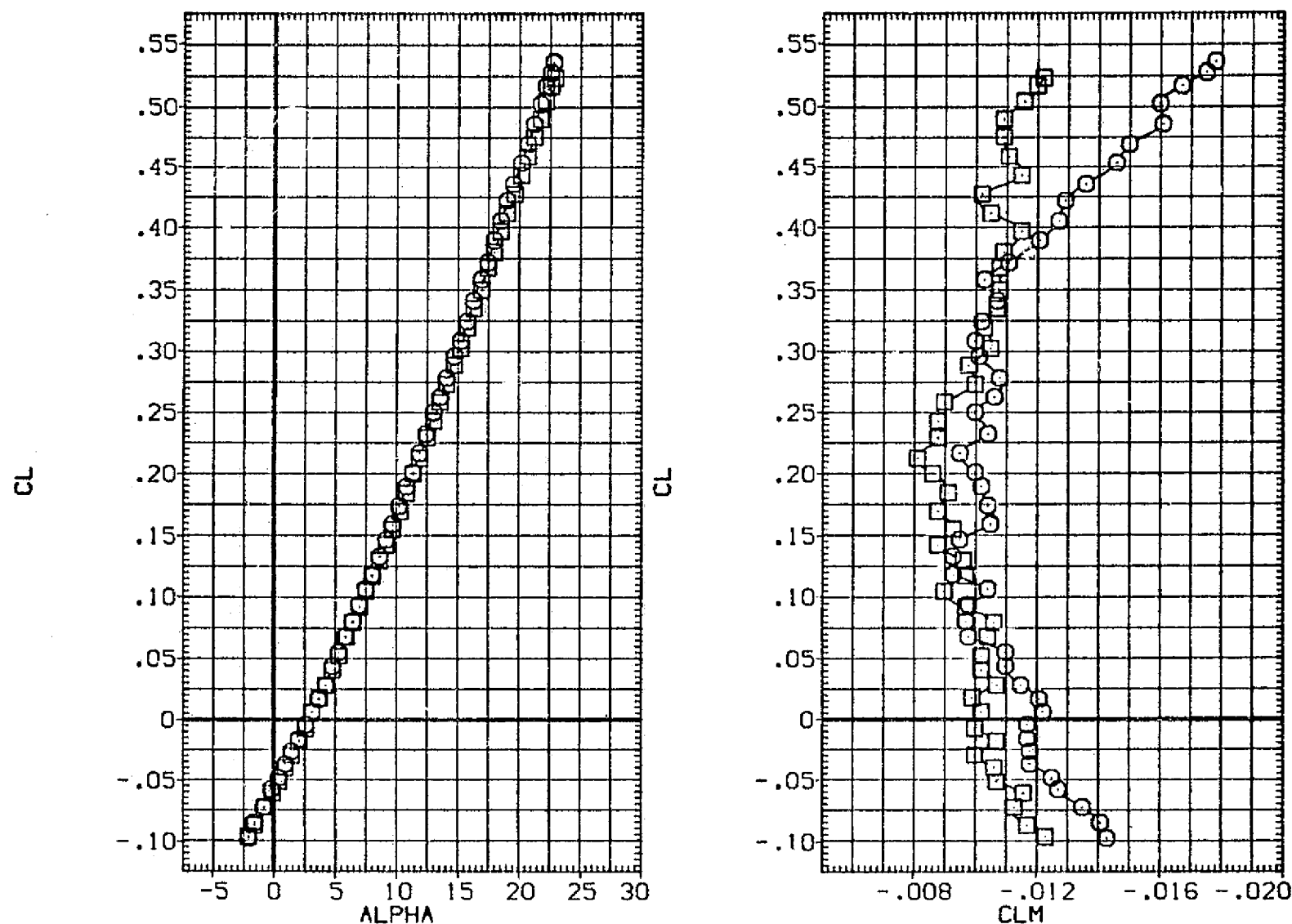




FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP
(A)MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFDD37) 	LA67 (LTV 552) ORBITER 49-0
(AFDD38) 	LA67 (LTV 552) ORBITER 49-0

RCSPQS	RN/L	BETA	SPDBRK	REFERENCE INFORMATION		
.000	16.000	1.000	55.000	SREF	2690.0000	SQ. FT.
1.000	16.000	1.000	55.000	LREF	174.0000	INCHES
				BREF	936.0000	INCHES
				XM RP	1076.7000	IN. X0
				YM RP	.0000	IN. Y0
				ZM RP	375.0000	IN. Z0
				SCALE	.0150	

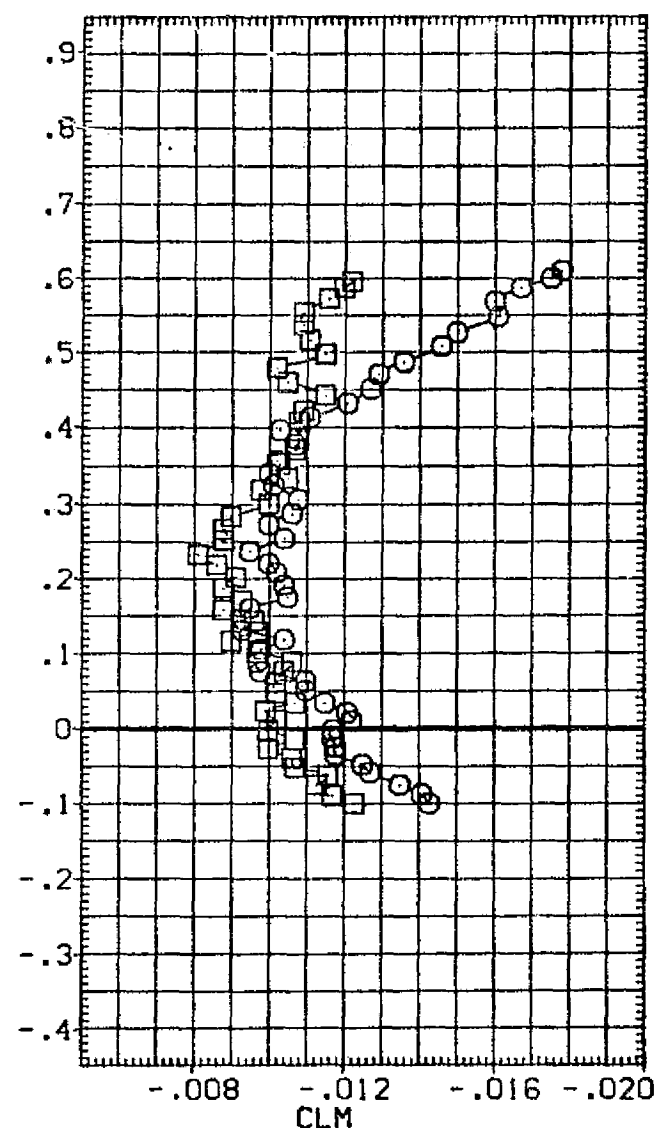
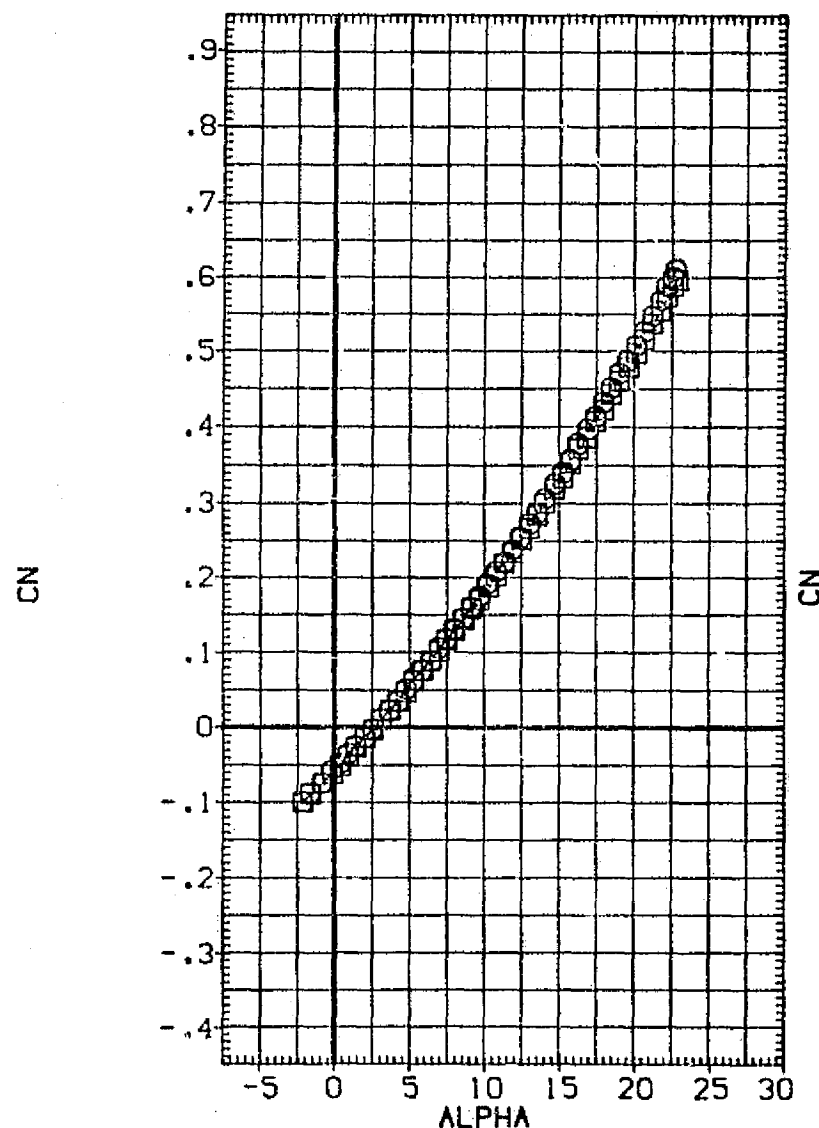


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A) MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD037) ○	LA67 (LTV 552) ORBITER 49-0
(AFD038) □	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SP0BRK	REFERENCE INFORMATION		
.000	16.000	1.000	55.000	SREF	2690.0000	50.FT.
1.000	16.000	1.000	55.000	LREF	474.8000	INCHES
				BREF	936.7000	INCHES
				XMRP	1076.7000	IN. X0
				YMRP	.0000	IN. Y0
				ZMRP	375.0000	IN. Z0
				SCALE	.0150	

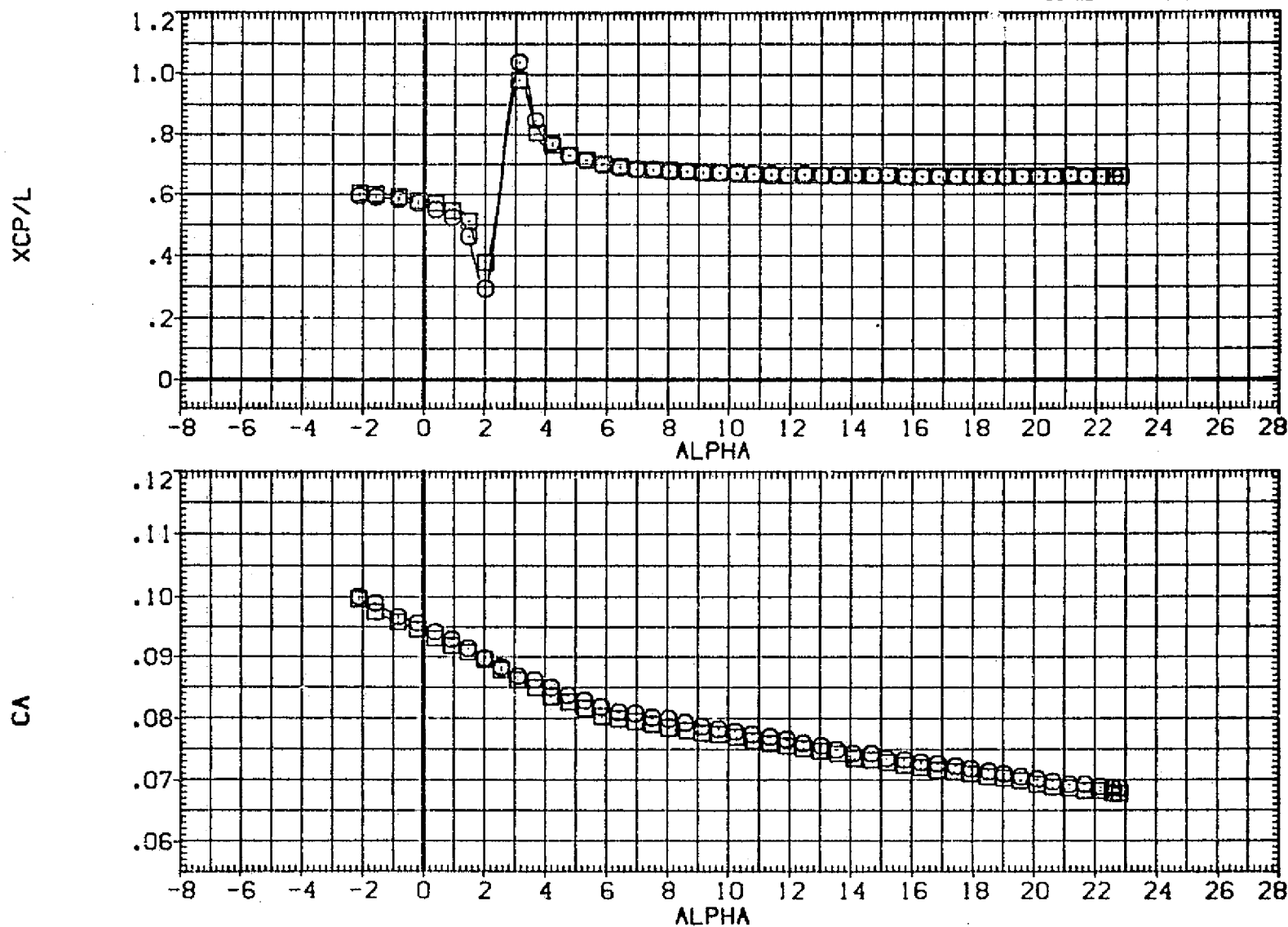


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD037) B	LA67 (LTV 552) ORBITER 49-0
(AFD038) B	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION
.000	16.000	1.000	55.000	SREF 2690.0000 50. FT.
1.000	16.000	1.000	55.000	LREF 474.8000 INCHES
				BREF 936.7000 INCHES
				XMRP 1076.7000 IN. X0
				YMRP .0000 IN. Y0
				ZMRP 375.0000 IN. Z0
				SCALE .0150

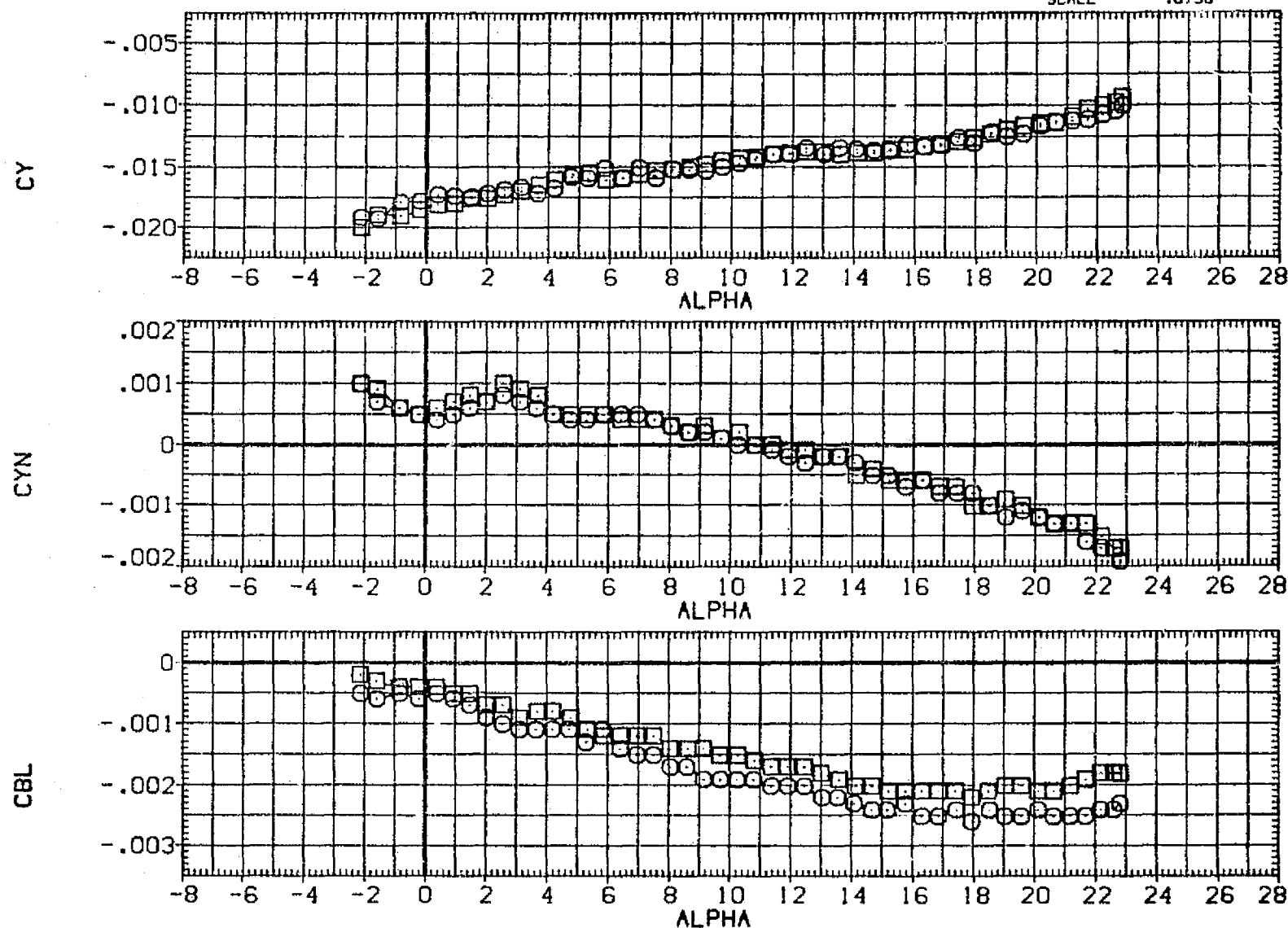


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP
(A)MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AFD037)	LA67 (LTV 552) ORBITER 49-0
(AFD038)	LA67 (LTV 552) ORBITER 49-0

RCSP05	RN/L	BETA	SPDBRK	REFERENCE INFORMATION	
.000	16.000	1.000	55.000	SREF	2690.0000 50. FT.
1.000	16.000	1.000	55.000	LREF	474.8000 INCHES
				BREF	936.7000 INCHES
				XMRP	1076.7000 IN. X0
				YMRP	.0000 IN. Y0
				ZMRP	375.0000 IN. Z0
				SCALE	.0150

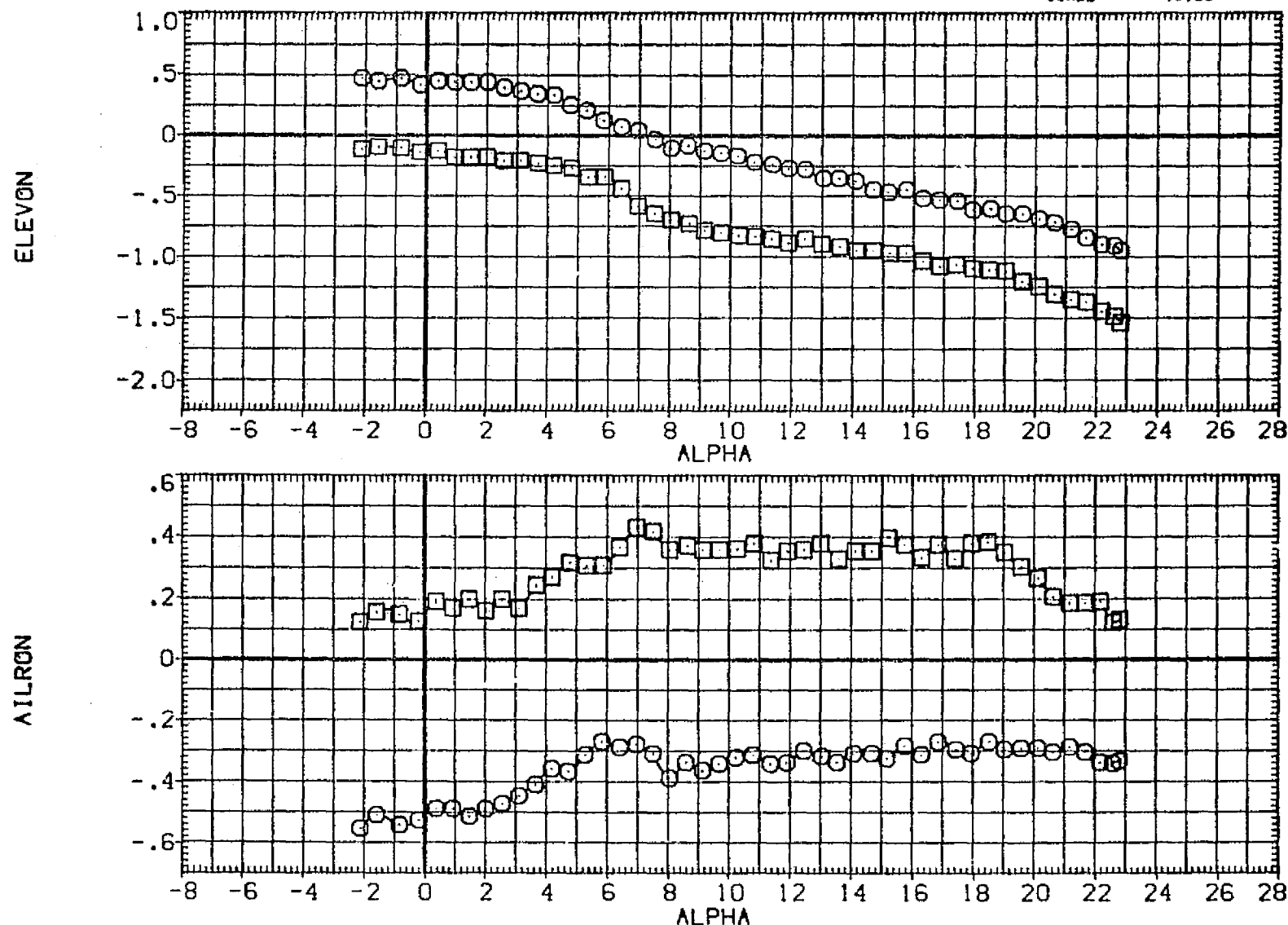


FIG. 13 EFFECT OF NOSE RCS PORTS ON BASELINE ORBITER AT SIDESLIP

(A)MACH = 4.60

SYMBOL	MACH	PARAMETRIC VALUES			
○	.600	DBETA	-2.000	ELEVON	.000
		AILRON	.000	SPOBRK	25.000
		RN/L	7.500	GRITNO	120.000
		RCSP05	.000	ALFSWP	1.000
		BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	1. INCHES
BREF	936.7000	1. INCHES
YMRP	1076.7000	IN. X0
XMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

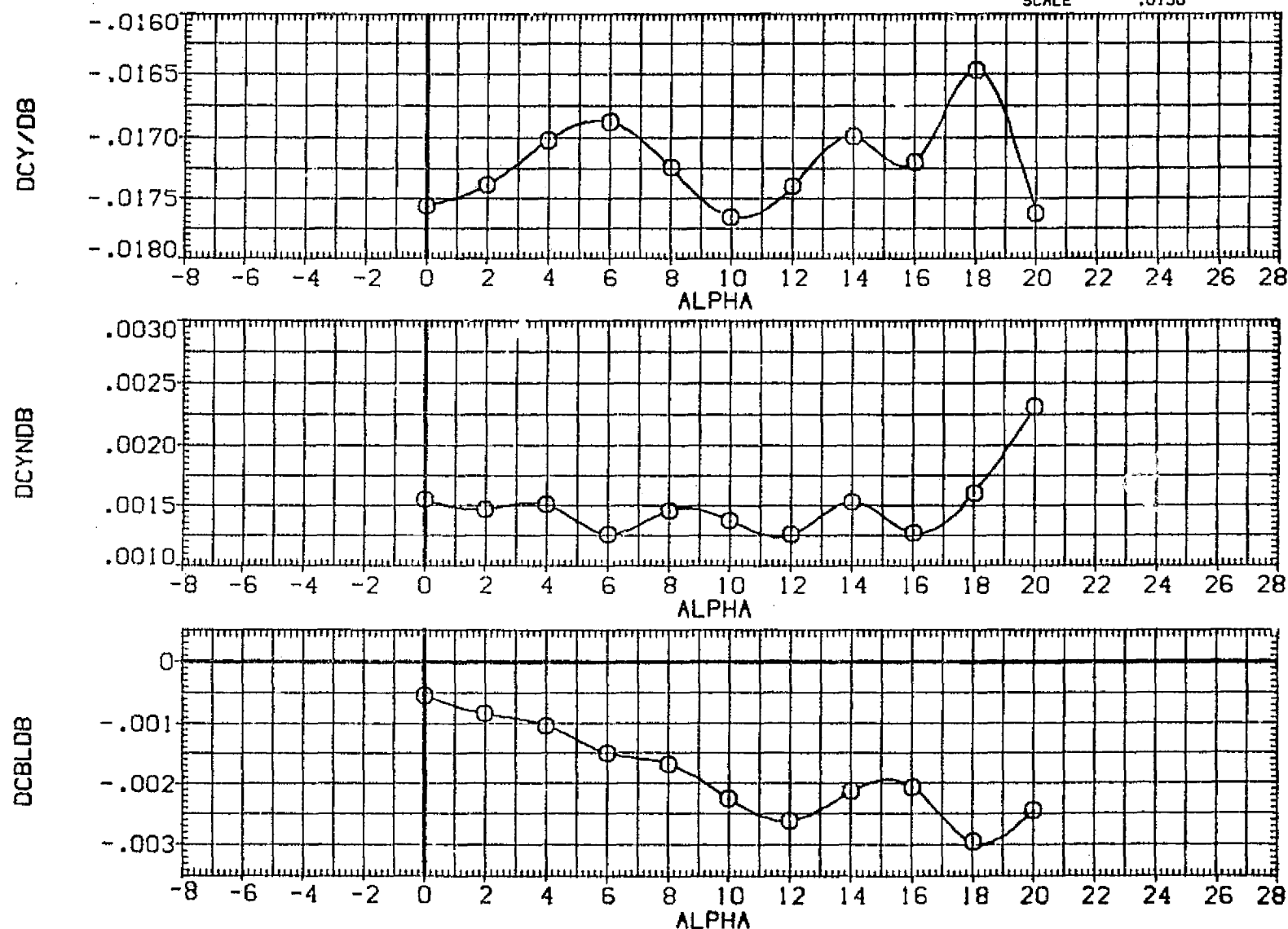


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

LA67 (LTV 552) ORBITER 49-0

(CFD012)

SYMBOL
○MACH
.600

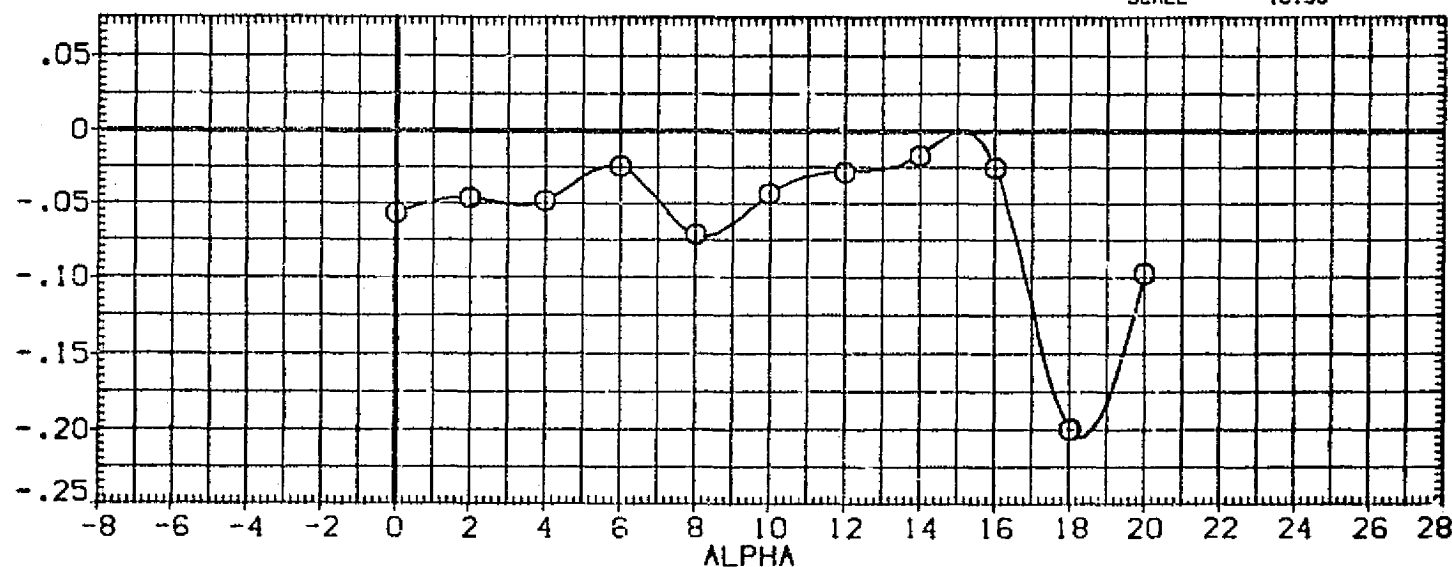
PARAMETRIC VALUES

DBETA	-2.000	ELEVON	.000
AILRON	.000	SPDBRK	25.000
RN/L	7.500	GRITNO	120.000
RCSP0S	.000	ALFSWP	1.000
BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION

SREF	2690.0000	SO. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XHRP	1076.7000	IN. X0
YHRP	.0000	IN. Y0
ZHRP	375.0000	IN. Z0
SCALE	.0150	

DLTALR



DLTELX

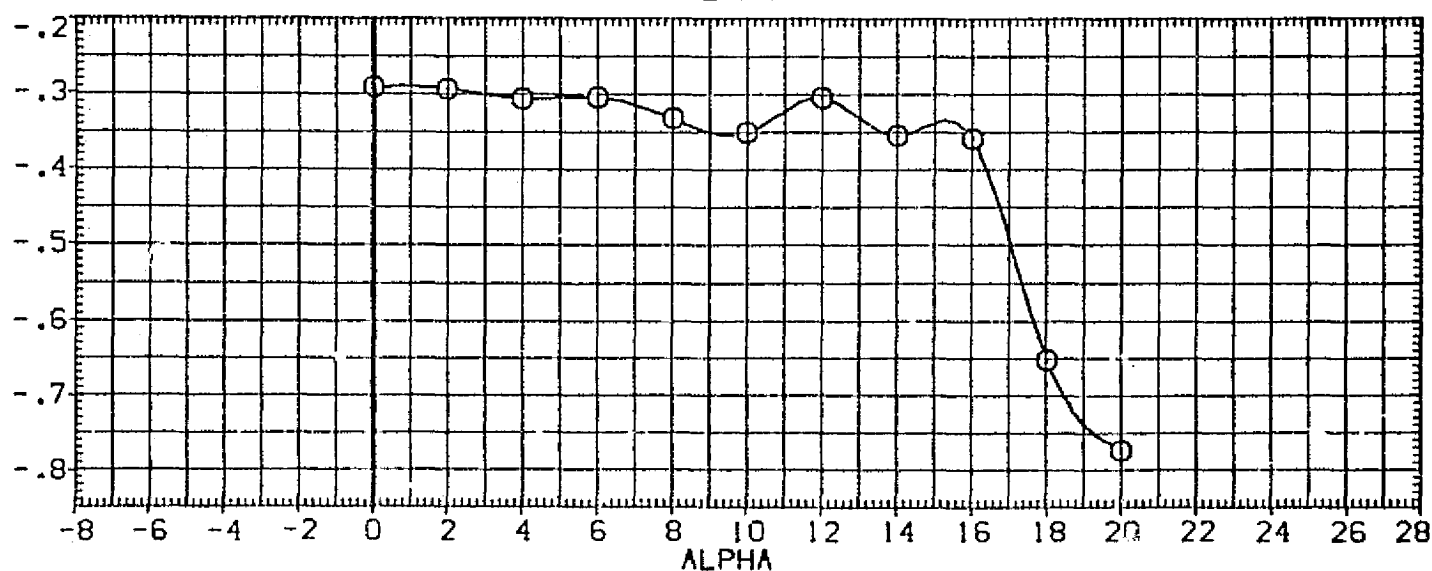


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES			
○	.600	DBETA	2.000	ELEVON	.000
		AILRON	.000	SPDBRK	25.000
		RN/L	7.500	GRITNO	120.000
		RCSP05	.000	ALFSWP	1.000
		BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

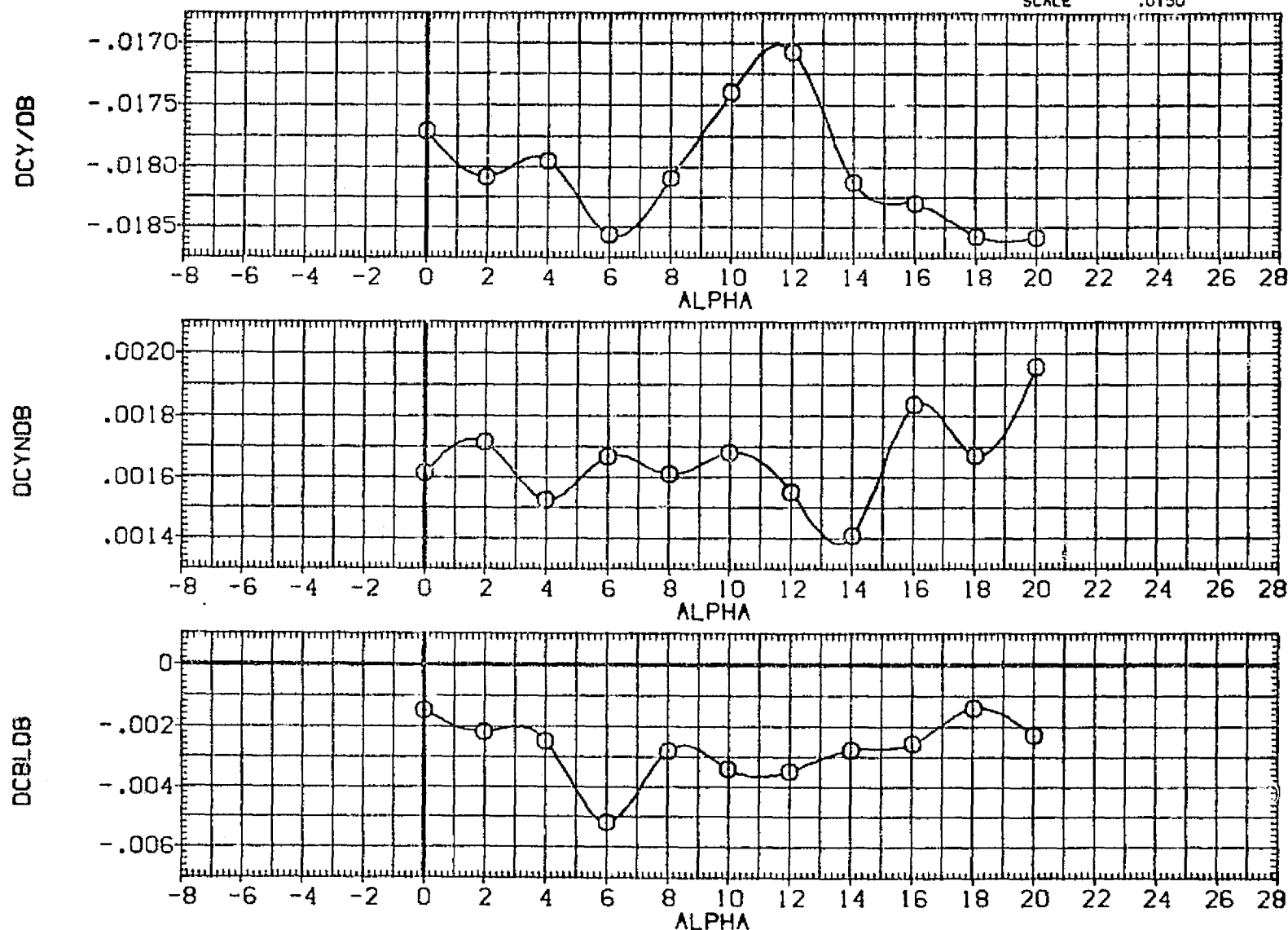


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

6.4

LA67 (LTV 552) ORBITER 49-0

(CFD020)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	.600	DBETA	2.000	ELEVON	.000	SREF	2690.0000	50. FT.
		AILRON	.000	SPDBRK	25.000	LREF	474.8000	INCHES
		RN/L	7.500	GRITNO	120.000	BREF	936.7000	INCHES
		RCSPDS	.000	ALFSWP	1.000	XMRP	1076.7000	IN. X0
		BDFLAP	.000	RUDDER	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

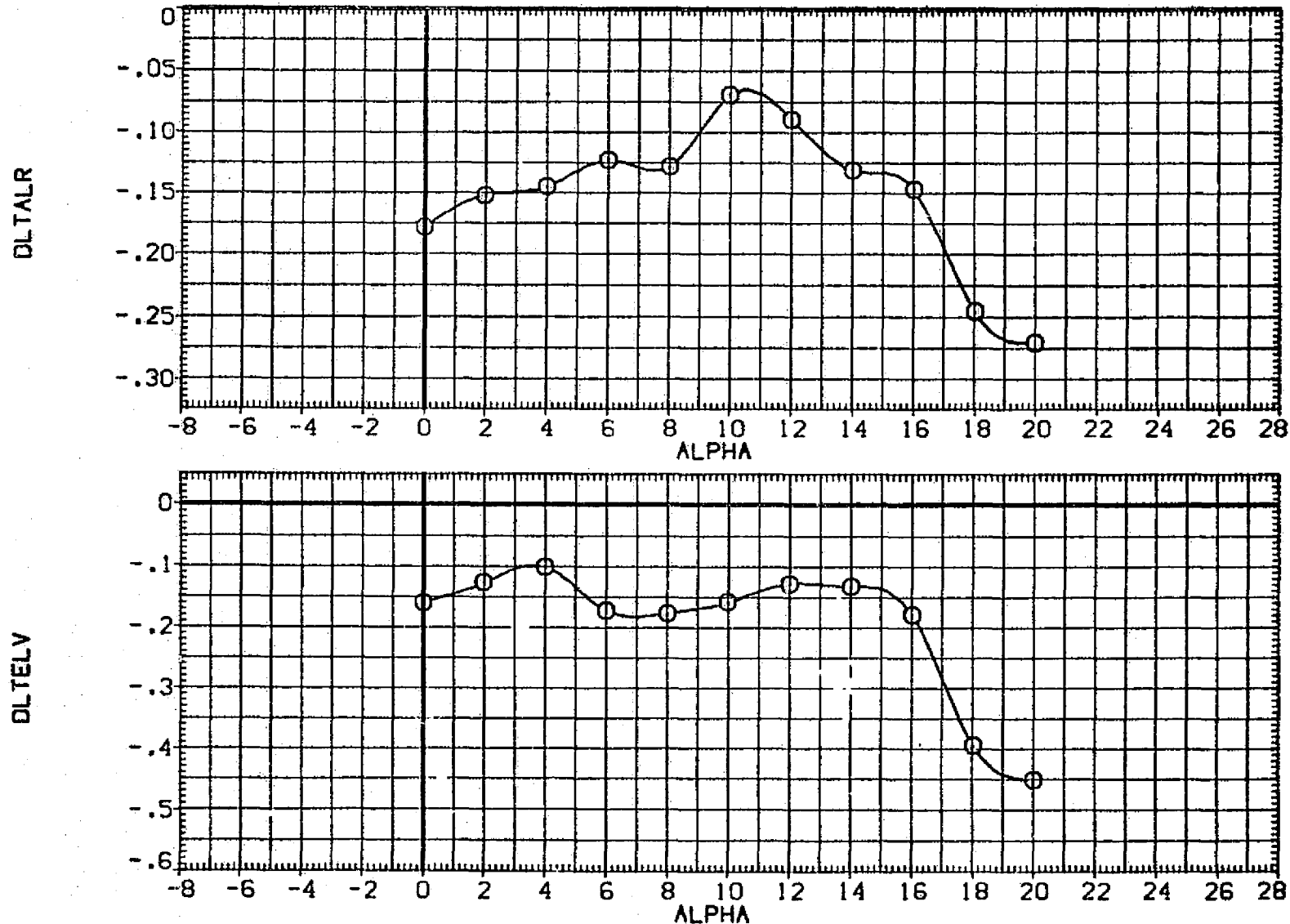


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

SYMBOL
O

MACH

.900

PARAMETRIC VALUES

DBETA	-2.000	ELEVON	.000
AILRON	.000	SPDBRK	25.000
RN/L	12.000	GRITNO	120.000
RCSP05	.000	ALFSWP	1.000
BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

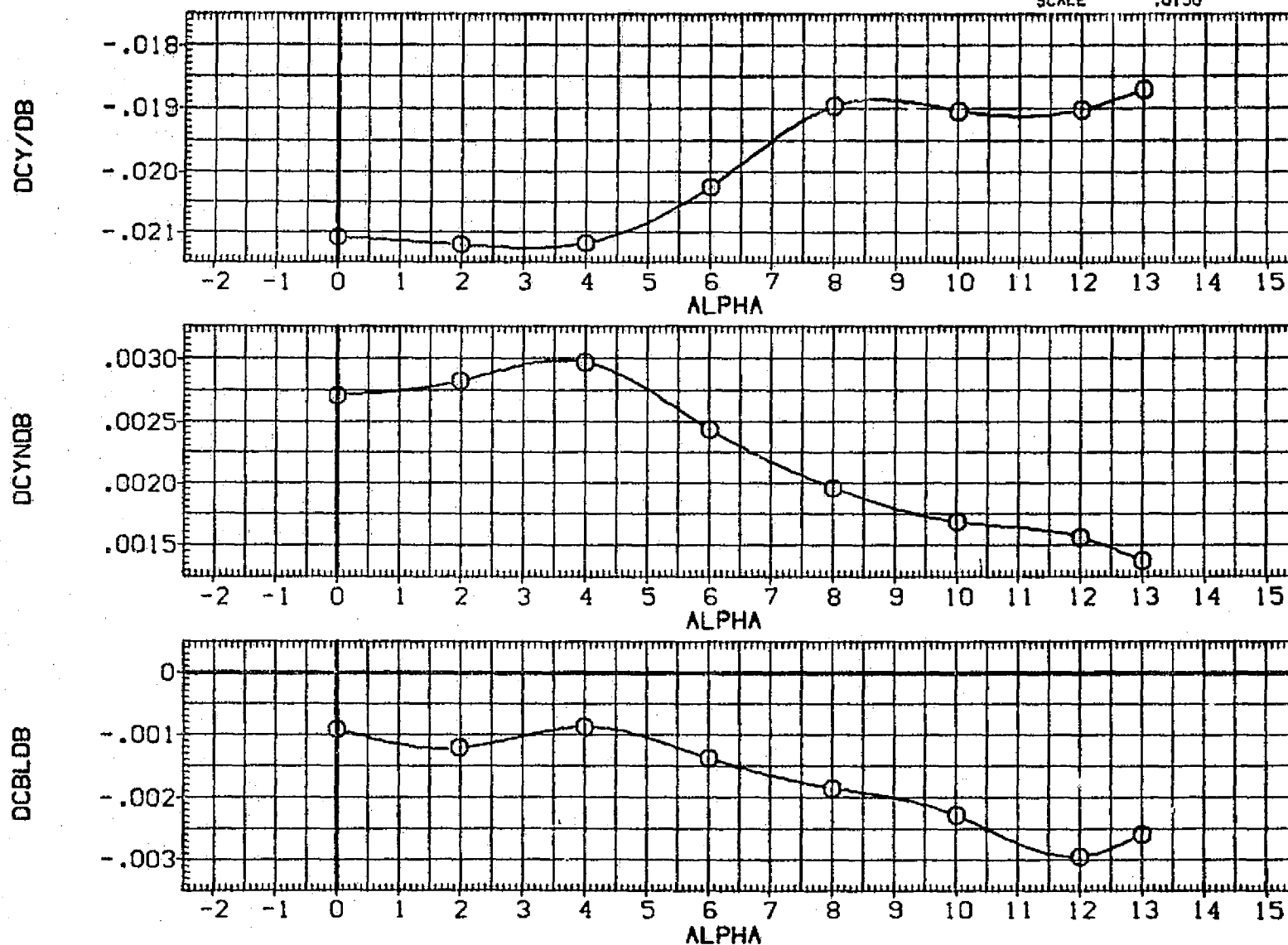


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

LA67 (LTV 552) ORBITER 49-0

(CFDO14)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.900	DBETA	-2.000	ELEVON	.000
		AILRON	.000	SPOBRK	25.000
		RN/L	12.000	GRITNO	120.000
		RCSP0S	.000	ALFSWP	1.000
		BDCLAP	.000	RUDDER	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
YMRP	1076.7000	IN. X0
ZMRP	.0000	IN. Y0
SCALE	.0150	IN. Z0

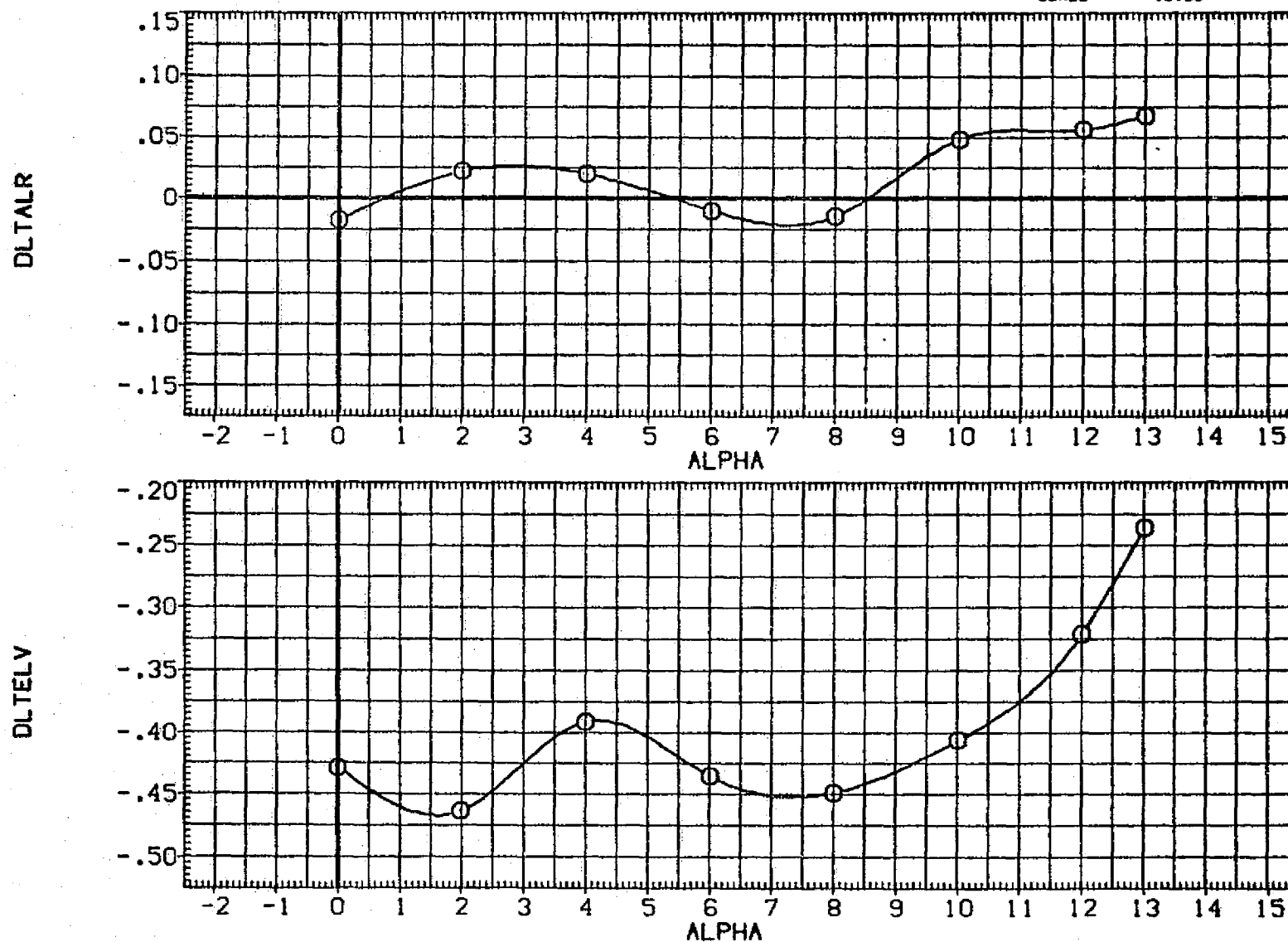


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.200	DBETA	-2.000	ELEVON	.000
		AILRON	.000	SPOBRK	25.000
		RN/L	10.000	GRITNO	120.000
		RCSP05	.000	ALFSWP	1.000
		BDCLAP	.000	RUDDER	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

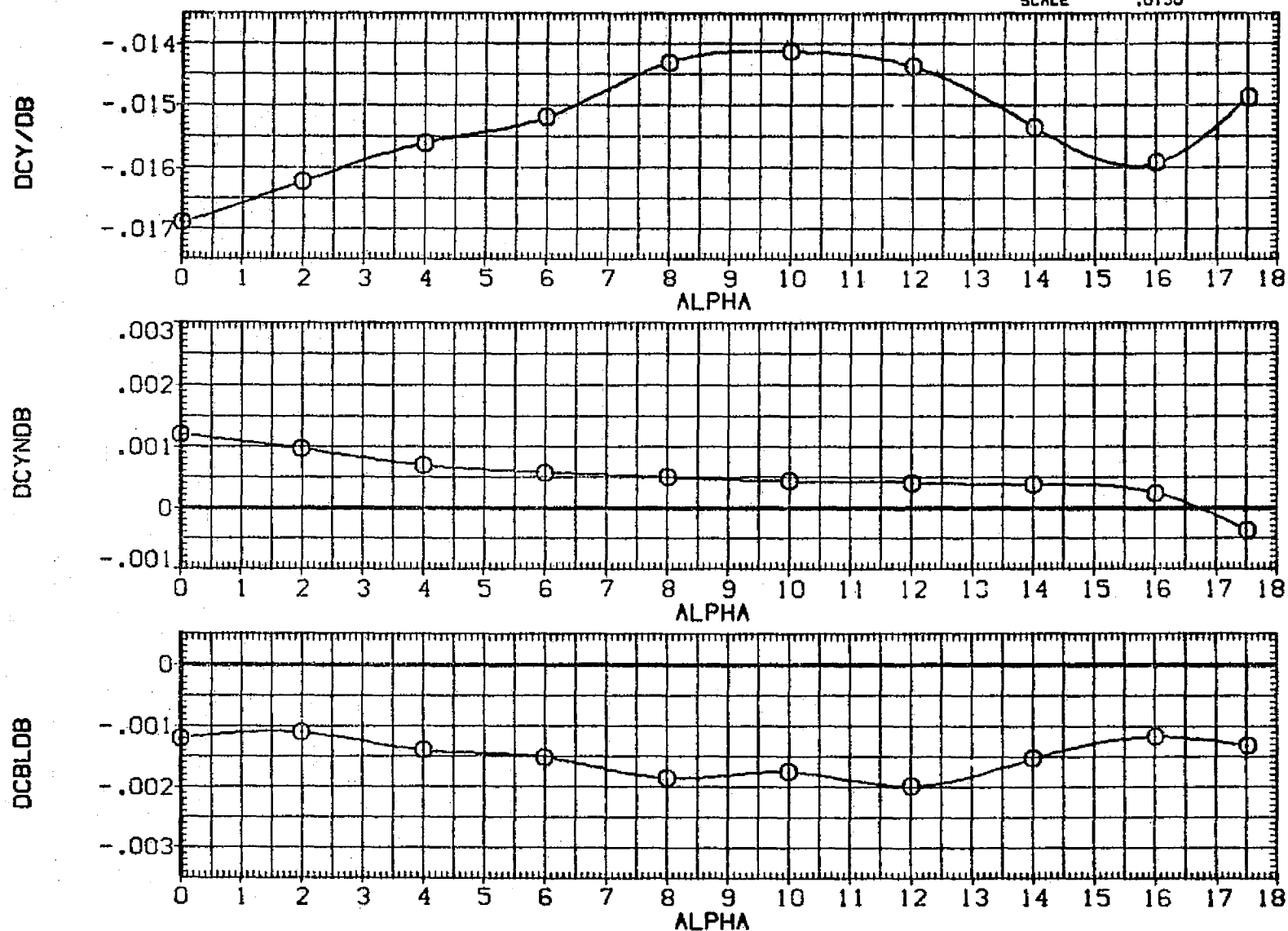


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

LAG7 (LTV 552) ORBITER 49-0

(CFD013)

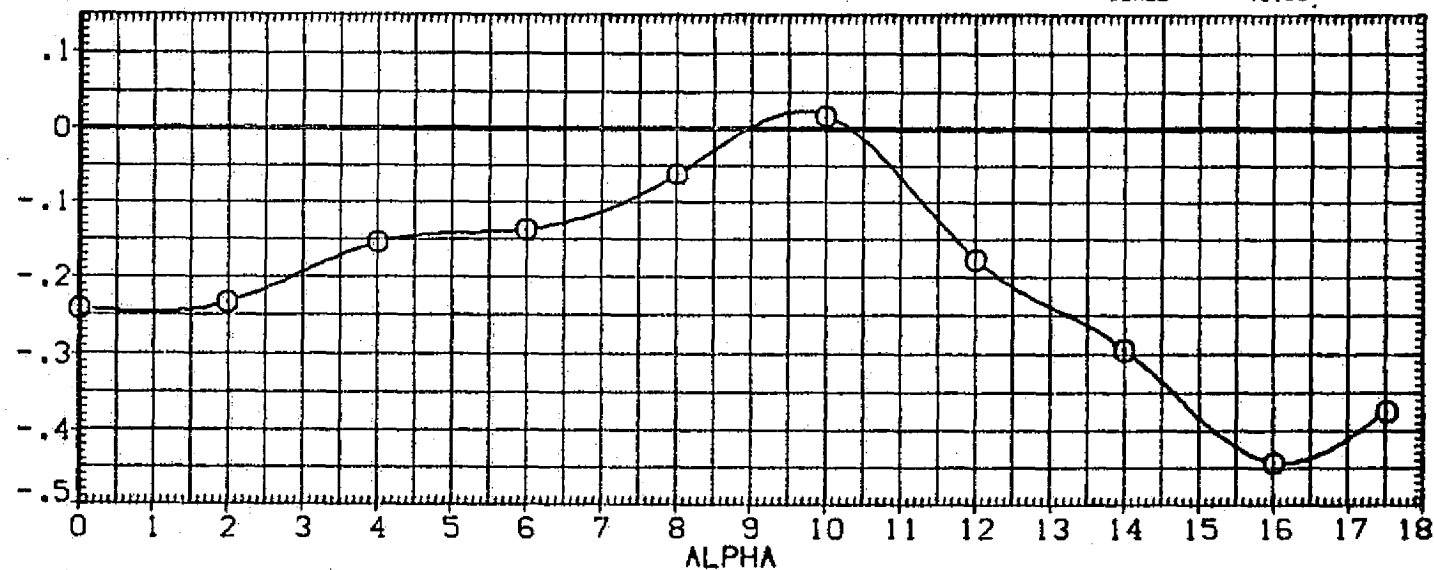
SYMBOL
OMACH
1.200

PARAMETRIC VALUES			
DBETA	-2.000	ELEVON	.000
AILRON	.000	SPDRK	25.000
RN/L	10.000	GRITN	120.000
RCSPS	.000	ALFSWP	1.000
BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

DLTALR



DLTELX

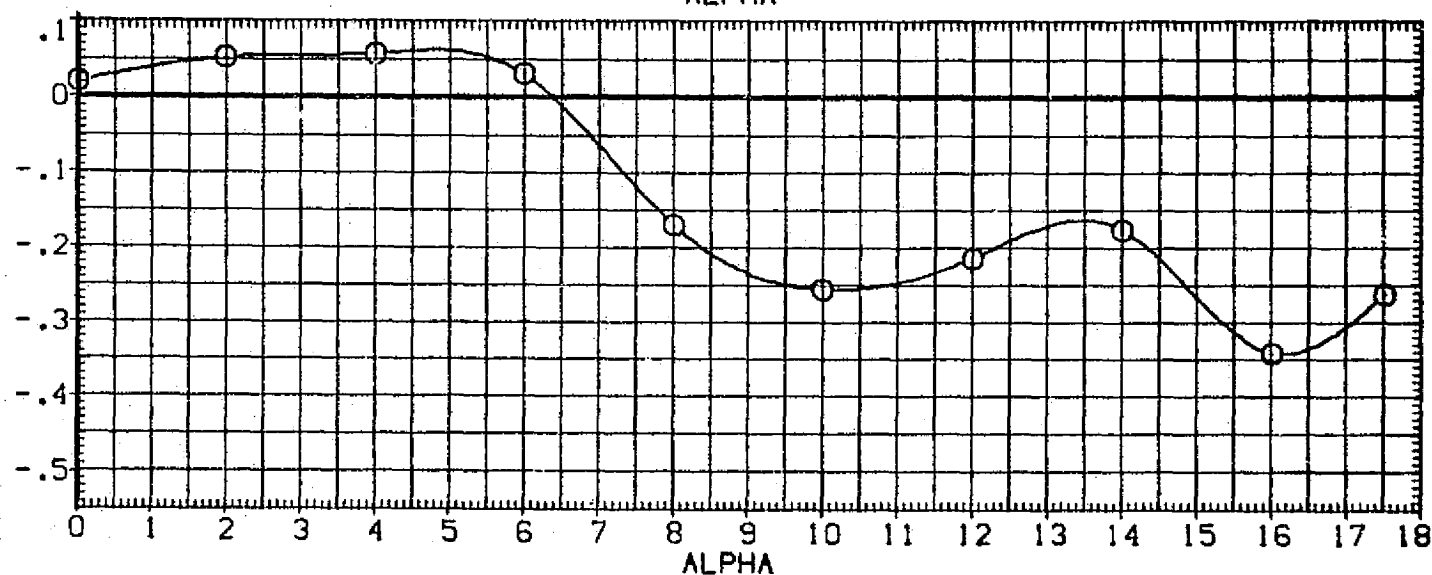


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	1.500	DBETA	1.000	ELEVON	.000	SREF	2690.0000	50. FT.
		AILRON	.000	SPDBRK	55.000	LREF	474.0000	INCHES
		RN/L	8.000	GRITNG	.000	BREF	936.7000	INCHES
		RCSPDS	1.000	ALFSWP	1.000	XMRP	1076.7000	IN. X0
		BDFLAP	.000	RUDDER	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

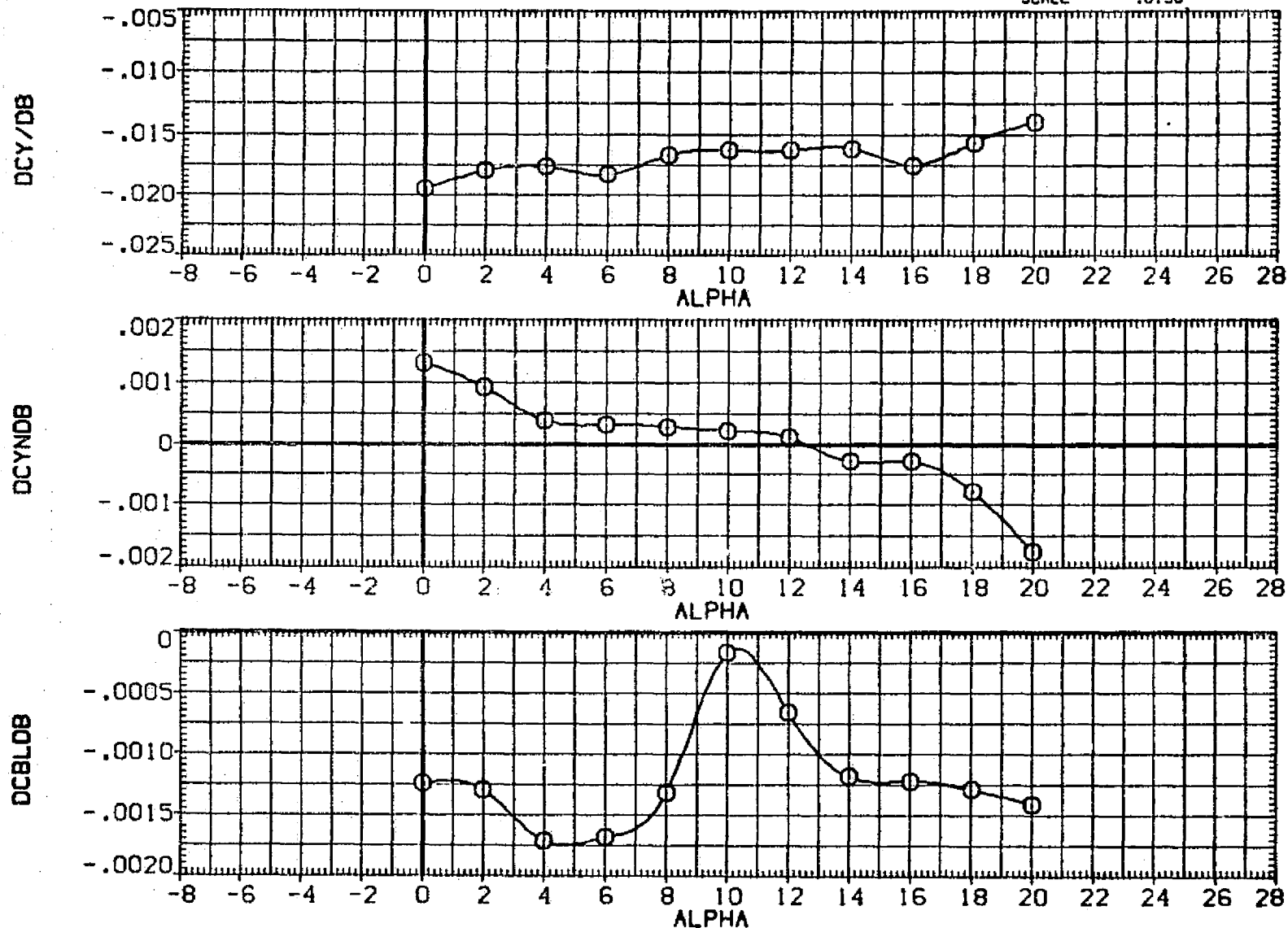


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

LA67 (LTV 552) ORBITER 49-0

(CFD035)

SYMBOL
○MACH
1.500

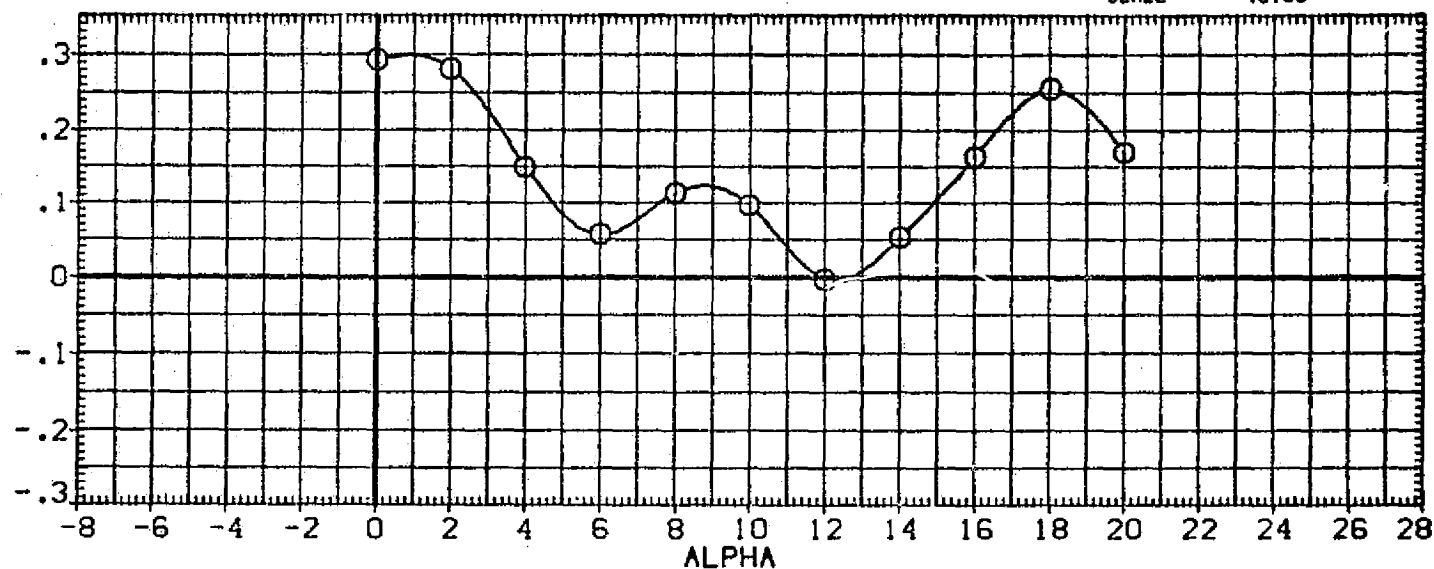
PARAMETRIC VALUES

DBETA	1.000	ELEVON	.000
AILRON	.000	SPDBRK	55.000
RN/L	8.000	GRITNO	.000
RCSP05	1.000	ALFSWP	1.000
BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

DLTALR



DLTELV

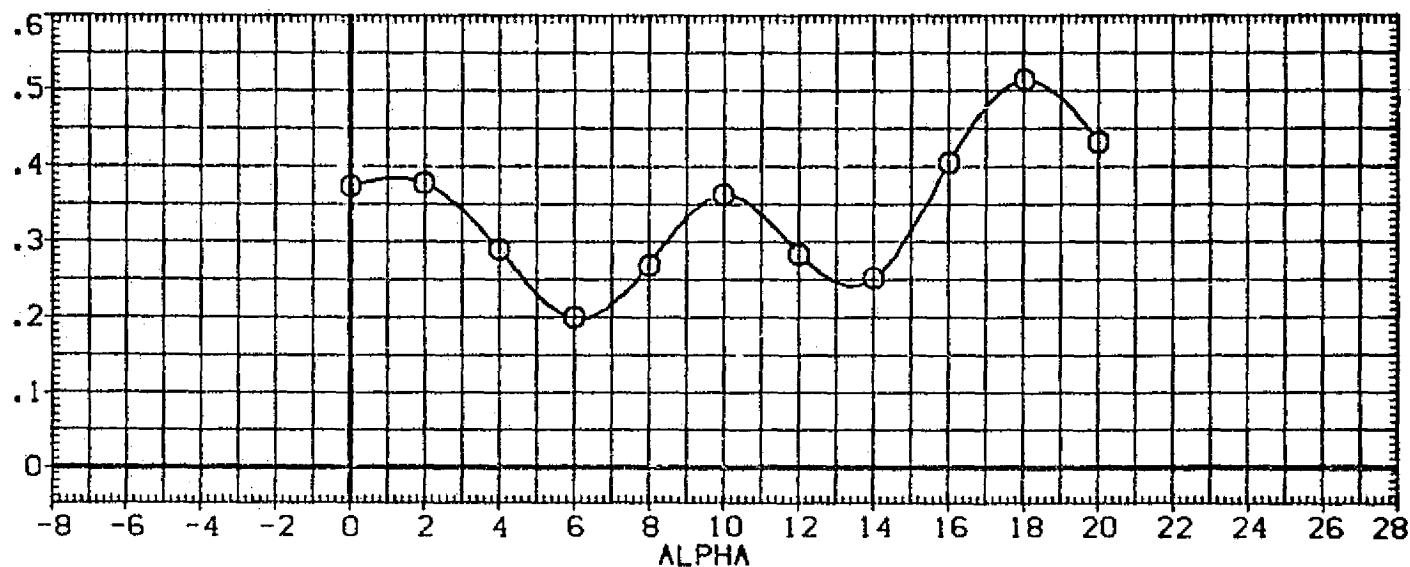


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES
O	2.000	DBETA 1.000 ELEVON .000
		AILRON .000 SPOBRK 55.000
		RN/L 8.000 GRITNO .000
		RCSPDS 1.000 ALFSWP 1.000
		BOFLAP .000 RUDDER .000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

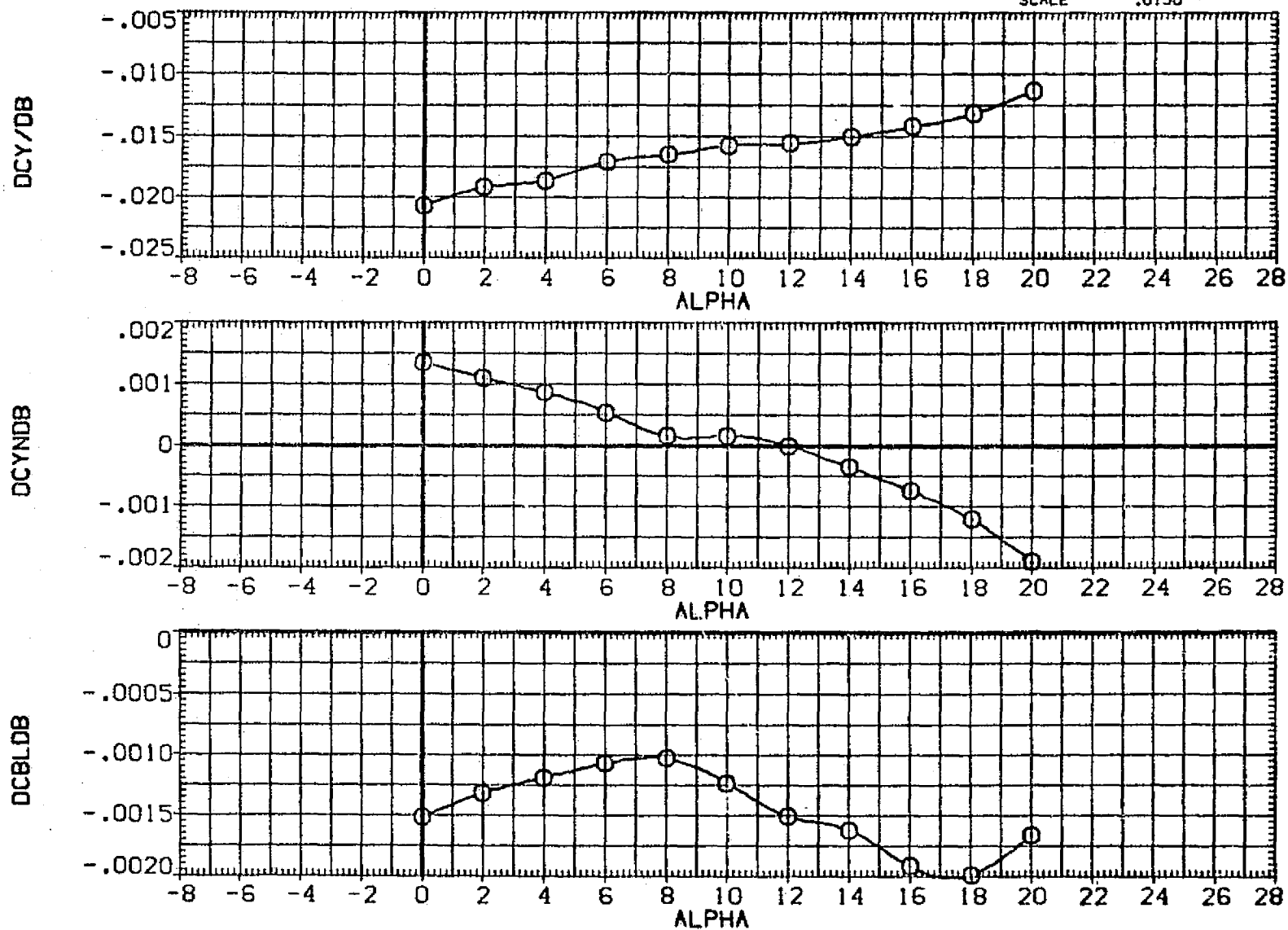


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

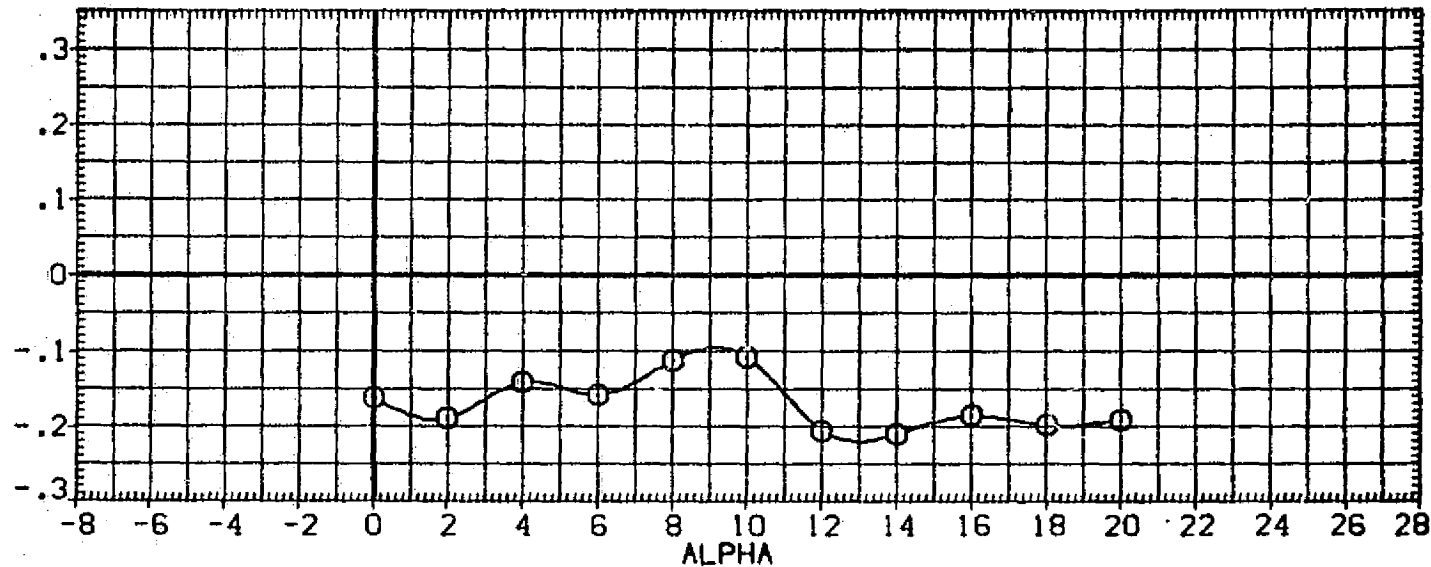
LA67 (LTV 552) ORBITER 49-0

(CFD035)

SYMBOL	MACH	PARAMETRIC VALUES			
○	2.000	DBETA	1.000	ELEVON	.000
		AILRON	.000	SPOBRK	55.000
		RN/L	8.000	GRITNG	.000
		RCSP05	1.000	ALFSWP	1.000
		BOFLAP	.000	RUDDER	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

DLTALR



DLTELV

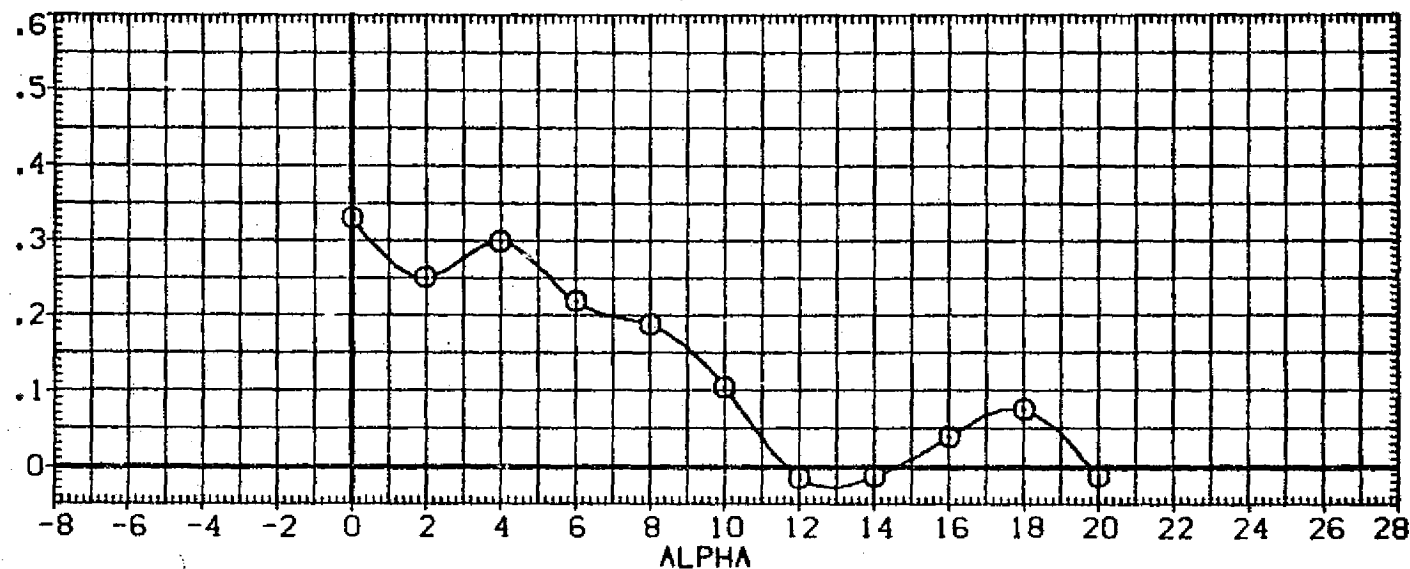


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES			
○	3.000	DBETA	1.000	ELEVON	.000
		AILRON	.000	SPDBRK	55.000
		RN/L	10.000	GRITNO	.000
		RCSP05	1.000	ALFSWP	1.000
		BOFLAP	.000	RUDDER	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

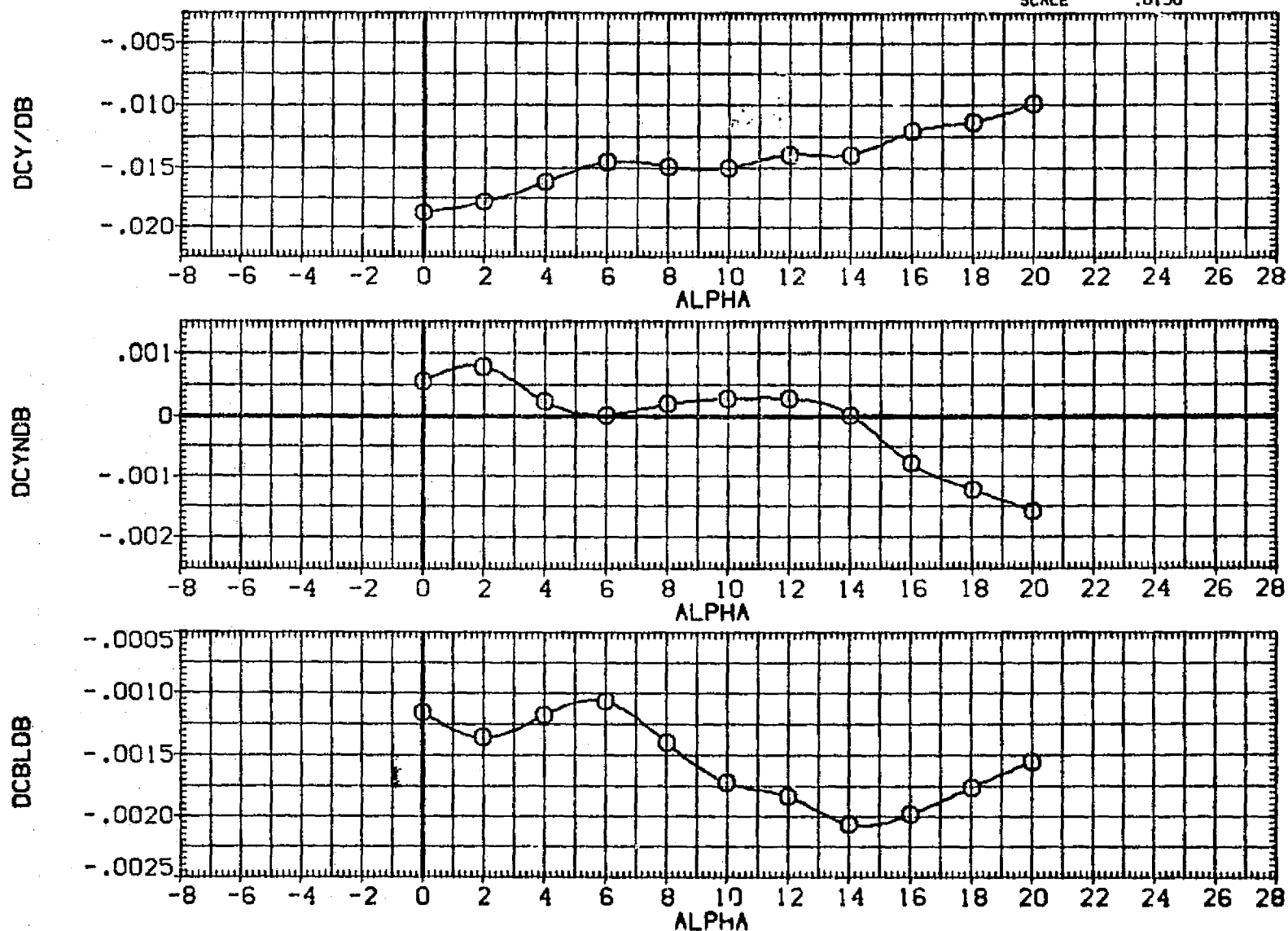


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

LA67 (LTV 552) ORBITER 49-0

(CFD036)

SYMBOL
OMACH
3.000

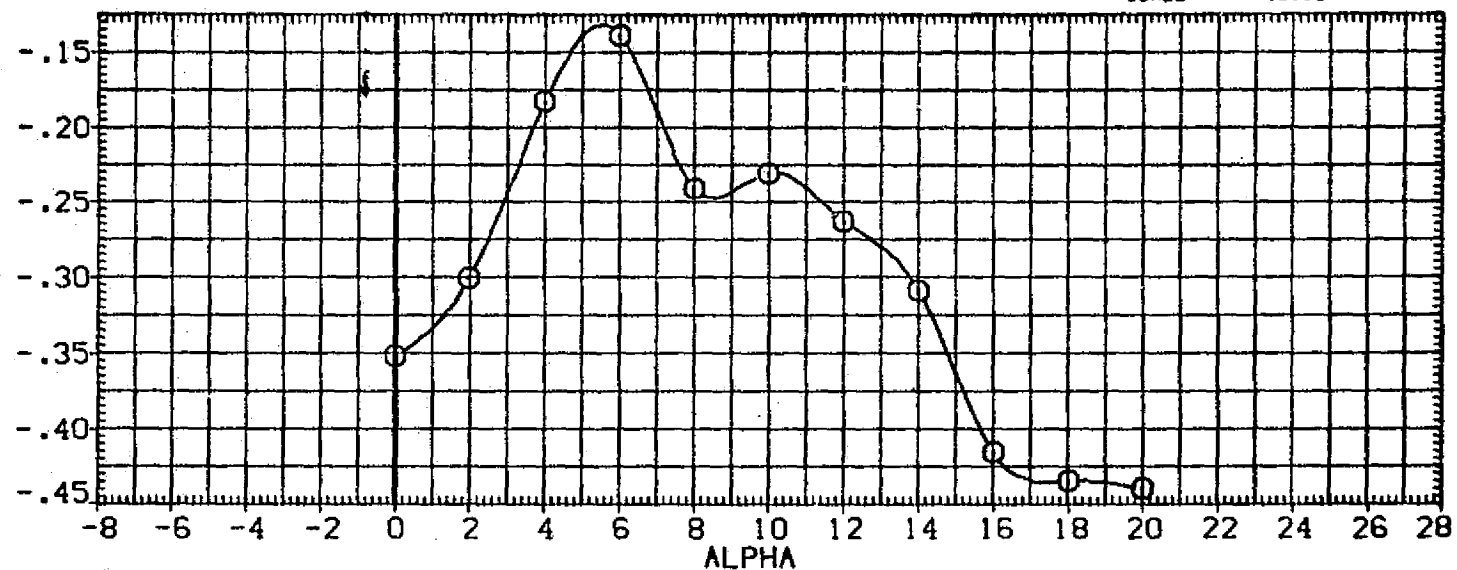
PARAMETRIC VALUES

DBETA	1.000	ELEVON	.000
AILRON	.000	SPDBRK	55.000
RN/L	10.000	GRITNO	.000
RCSPDS	1.000	ALFSWP	1.000
BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

DLTALR



DLTELV

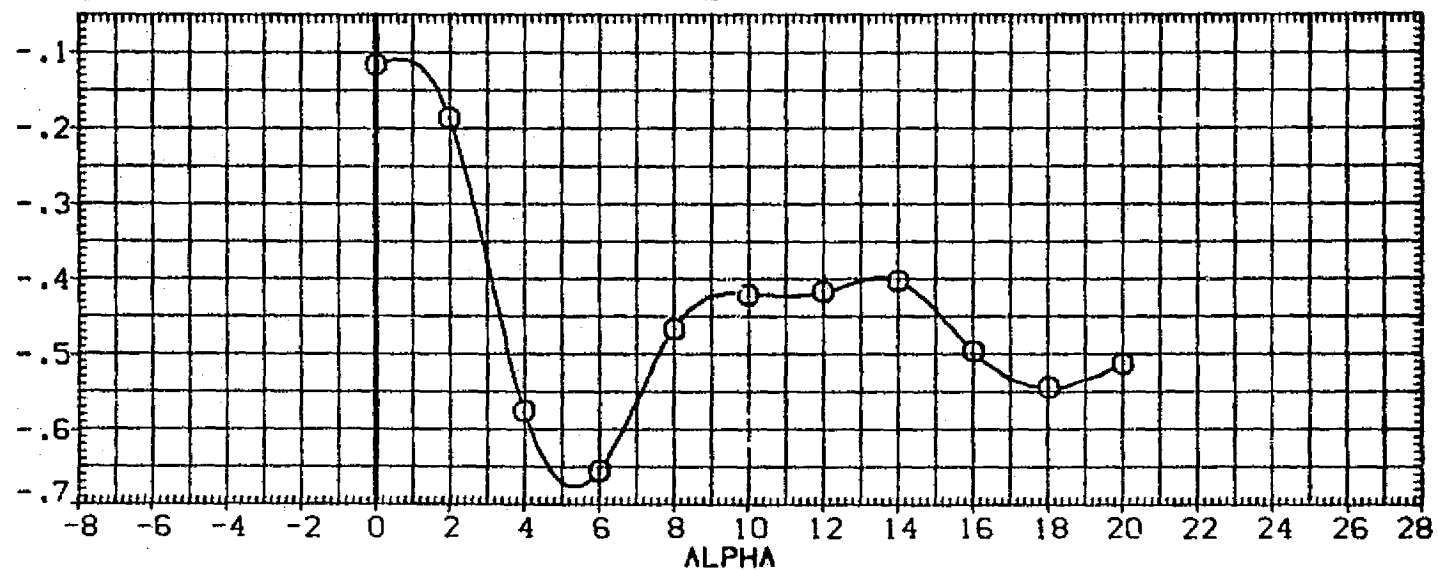


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	4.600	DBETA	1.000	ELEVON	.000	SREF	2690.0000	90. FT.
		AILRON	.000	SPDBRK	55.000	LREF	474.8000	INCHES
		RN/L	16.000	GRITNG	.000	BREF	936.7000	INCHES
		RCSP05	1.000	ALFSWP	1.000	XMRP	1076.7000	IN. X0
		BOFLAP	.000	RUDDER	.000	YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

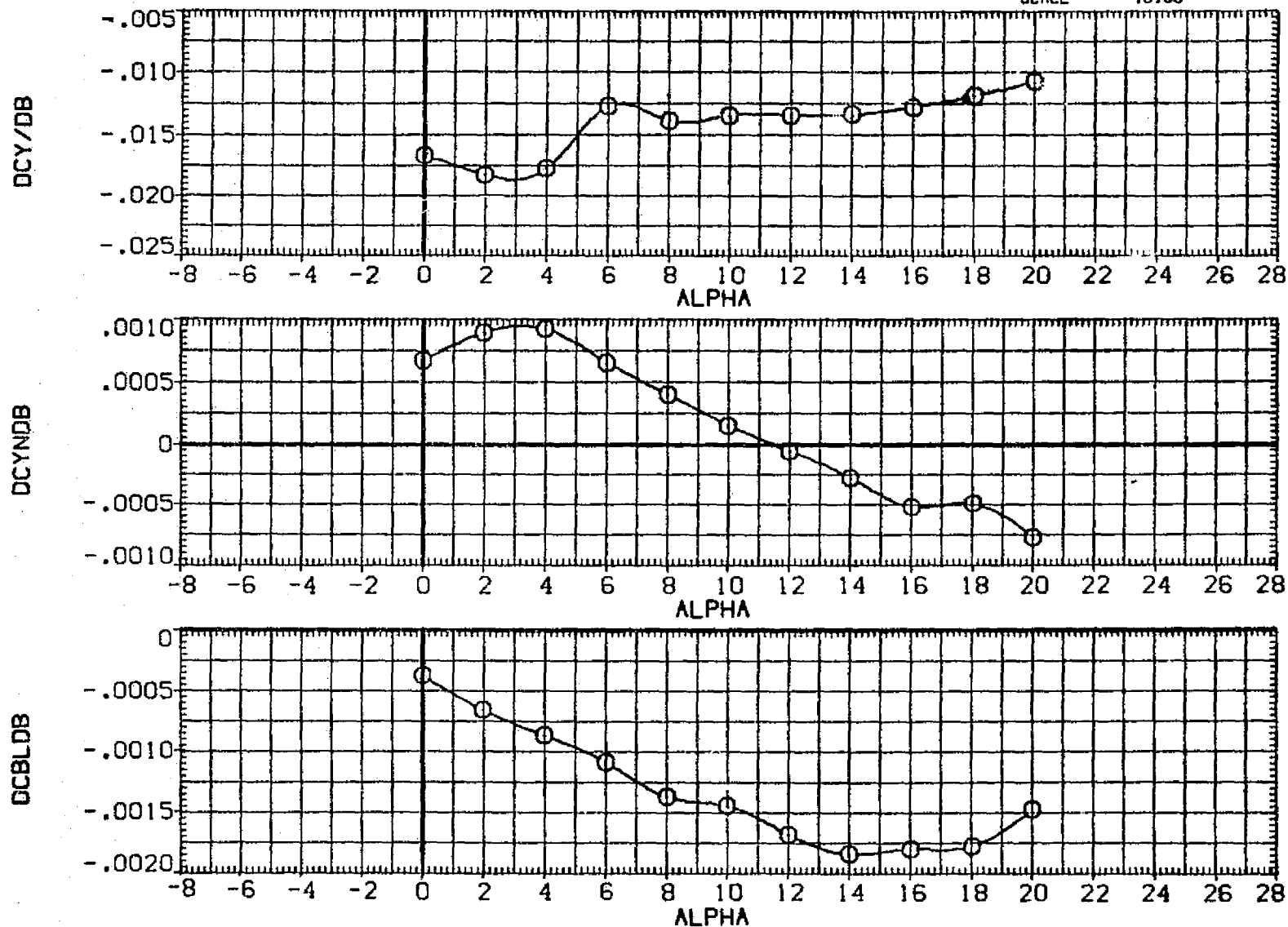


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

LA67 (LTV 552) ORBITER 49-0

(CFD038)

SYMBOL
○MACH
4.600

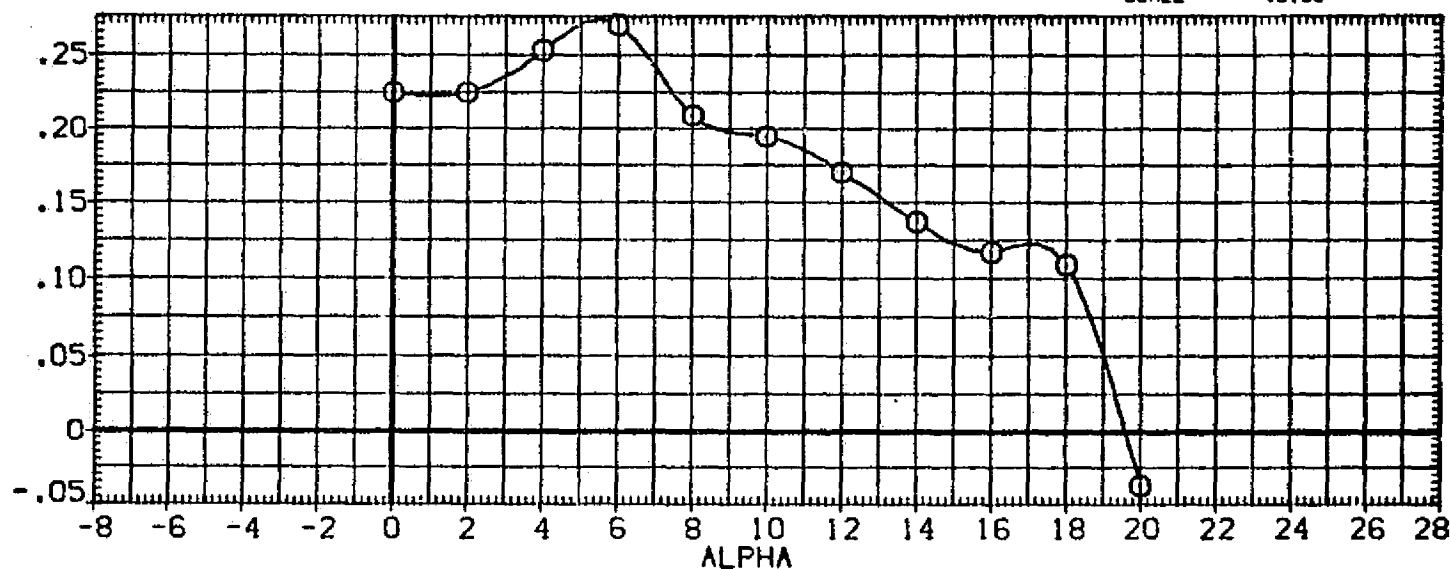
PARAMETRIC VALUES

DBETA	1.000	ELEVON	.000
AILRON	.000	SPDBRK	55.000
RN/L	15.000	GRITNO	.000
RCSPDS	1.000	ALFSWP	1.000
BDFLAP	.000	RUDDER	.000

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

DLTALR



DLTELV

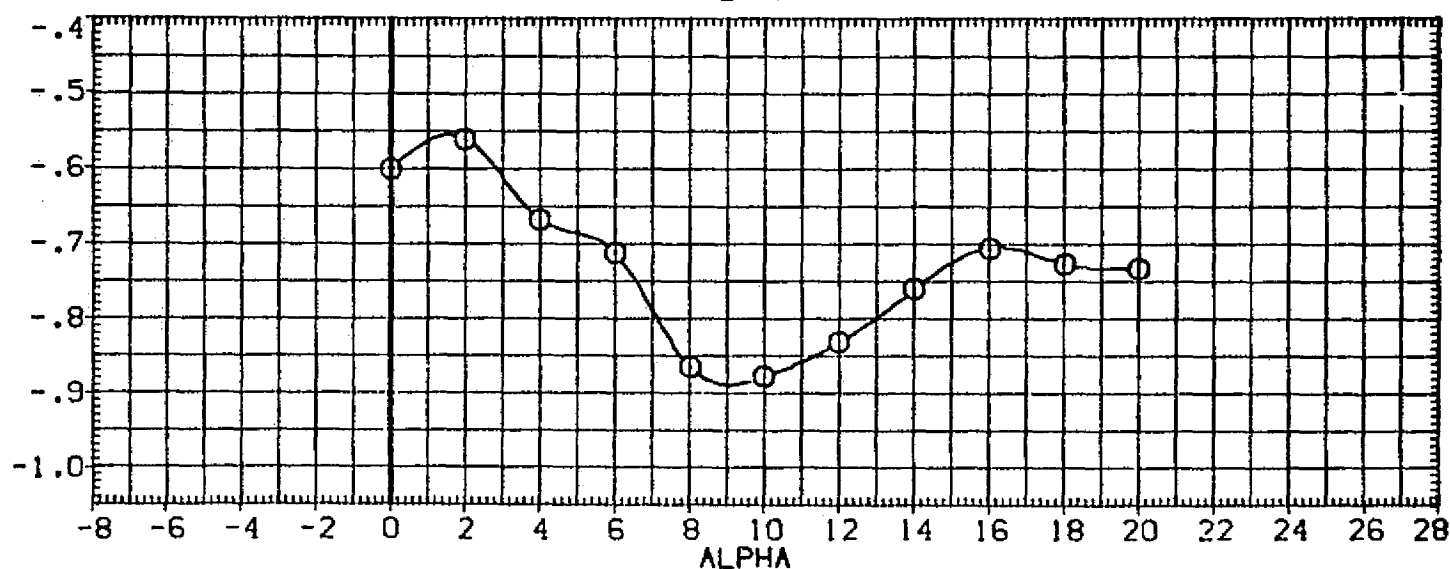


FIG. 14 SIDESLIP DERIVATIVES FOR BASELINE ORBITER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD055)	LA67 (LTV 552) ORBITER 49-0
(CFD049)	LA67 (LTV 552) ORBITER 49-0
(CFD052)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	BETA
8.000	-10.000	.000
8.000	.000	.000
8.000	5.000	.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

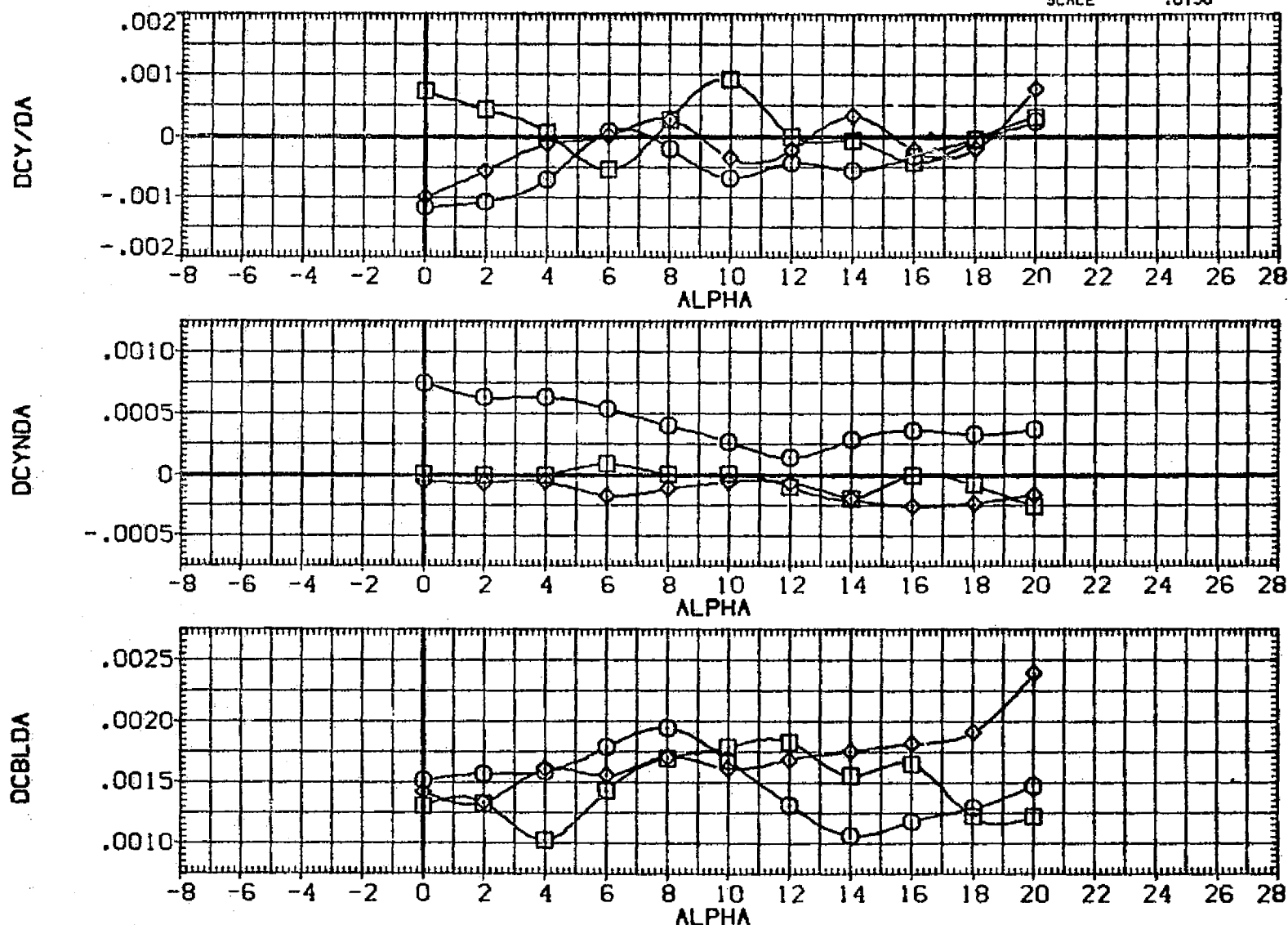


FIG. 15 AILERON DERIVATIVES FOR VARIOUS ELEVON DEFLECTIONS

(A) MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD055)	LA67 (LTV 552) ORBITER 49-0
(CFD049)	LA67 (LTV 552) ORBITER 49-0
(CFD052)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	BETA
8.000	-10.000	.000
8.000	.000	.000
8.000	5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

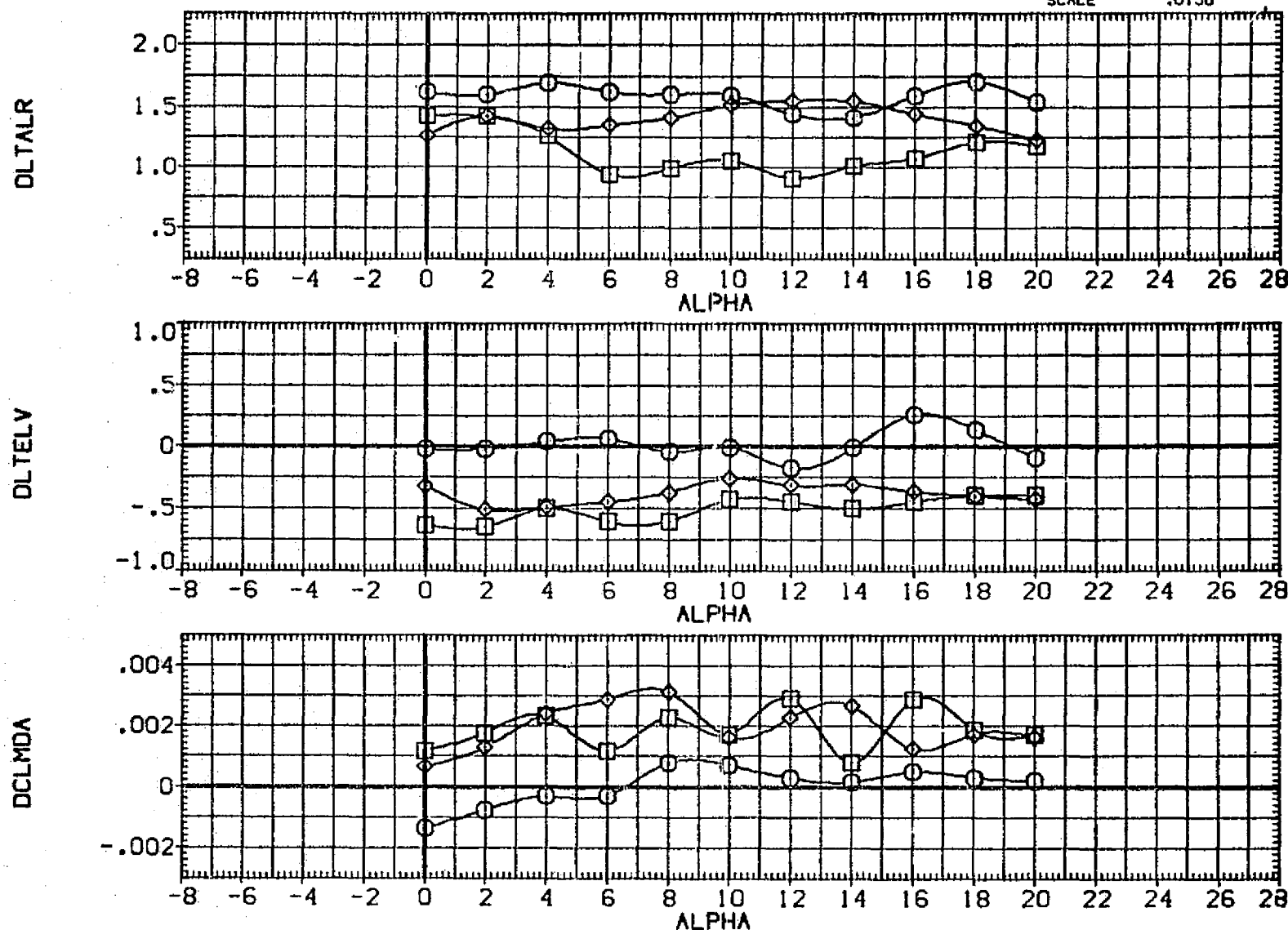


FIG. 15 AILERON DERIVATIVES FOR VARIOUS ELEVON DEFLECTIONS

(A)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD055) \square	LA67 (LTV 552) ORBITER 49-0
(CFD049) \square	LA67 (LTV 552) ORBITER 49-0
(CFD052) \diamond	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	BETA
8.000	-10.000	.000
8.000	.000	.000
8.000	5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

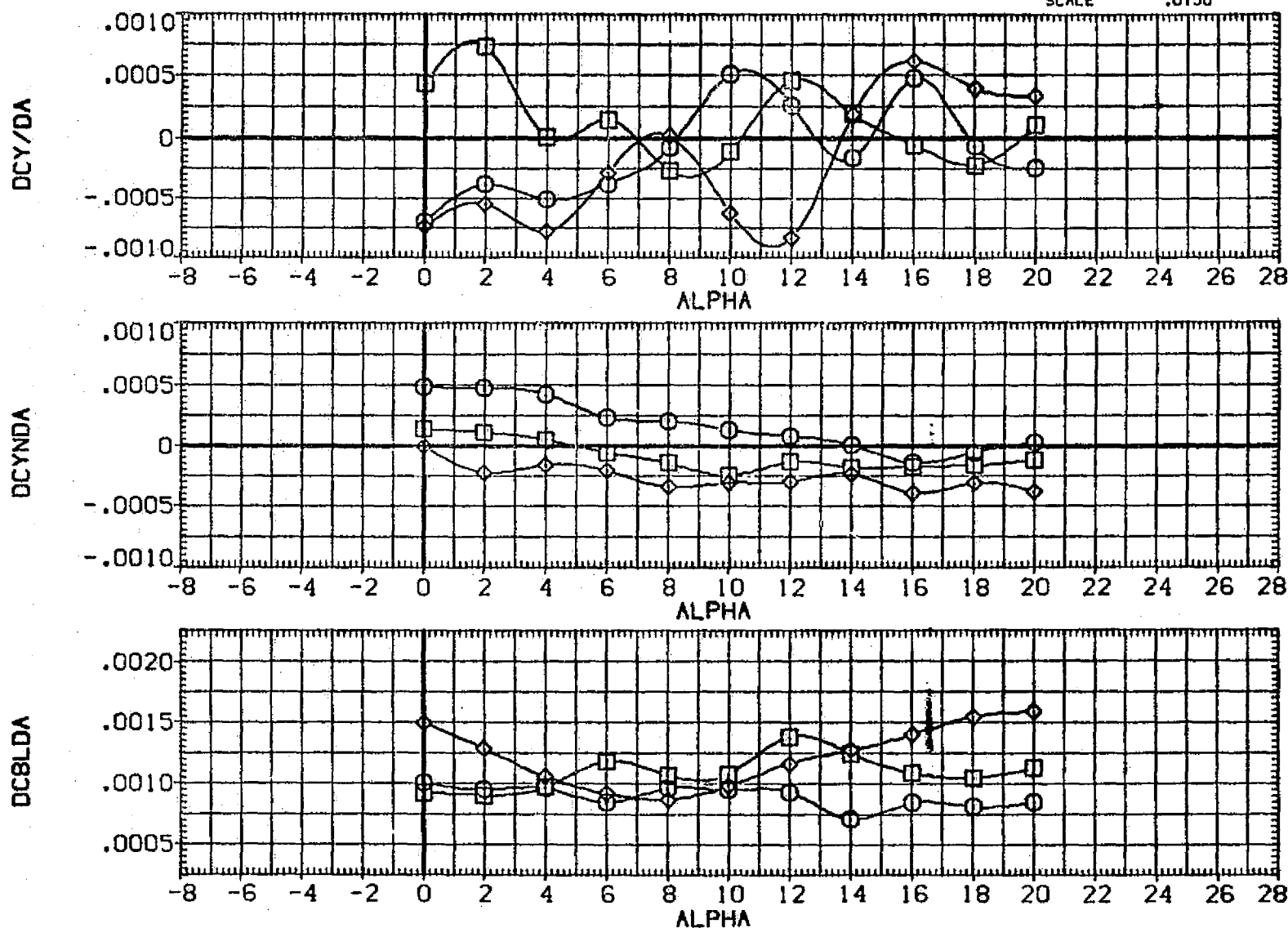


FIG. 15 AILERON DERIVATIVES FOR VARIOUS ELEVON DEFLECTIONS
(B)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CFD035)	□	LA67 (LTV 552)	ORBITER 49-0
(CFD049)	○	LA67 (LTV 552)	ORBITER 49-0
(CFD052)	◇	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	BETA
8.000	-10.000	.000
8.000	.000	.000
8.000	5.000	.000

REFERENCE INFORMATION

SREF	2690.0000	90.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

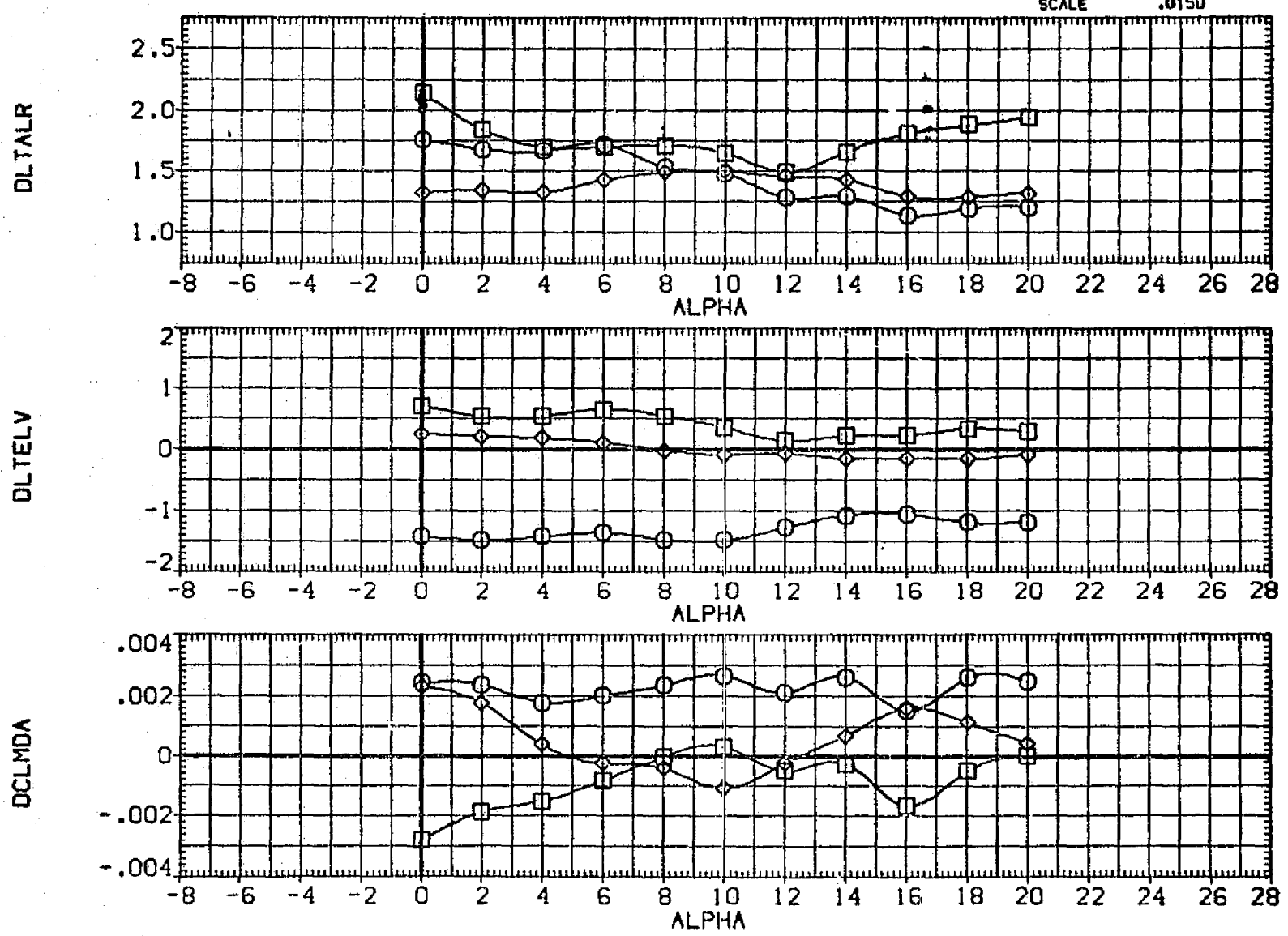


FIG. 15 AILERON DERIVATIVES FOR VARIOUS ELEVON DEFLECTIONS

(B)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD056)	LA67 (LTV 552) ORBITER 49-0
(CFD050)	LA67 (LTV 552) ORBITER 49-0
(CFD053)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	BETA
10.000	-10.000	.000
10.000	.000	.000
10.000	5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	174.0000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

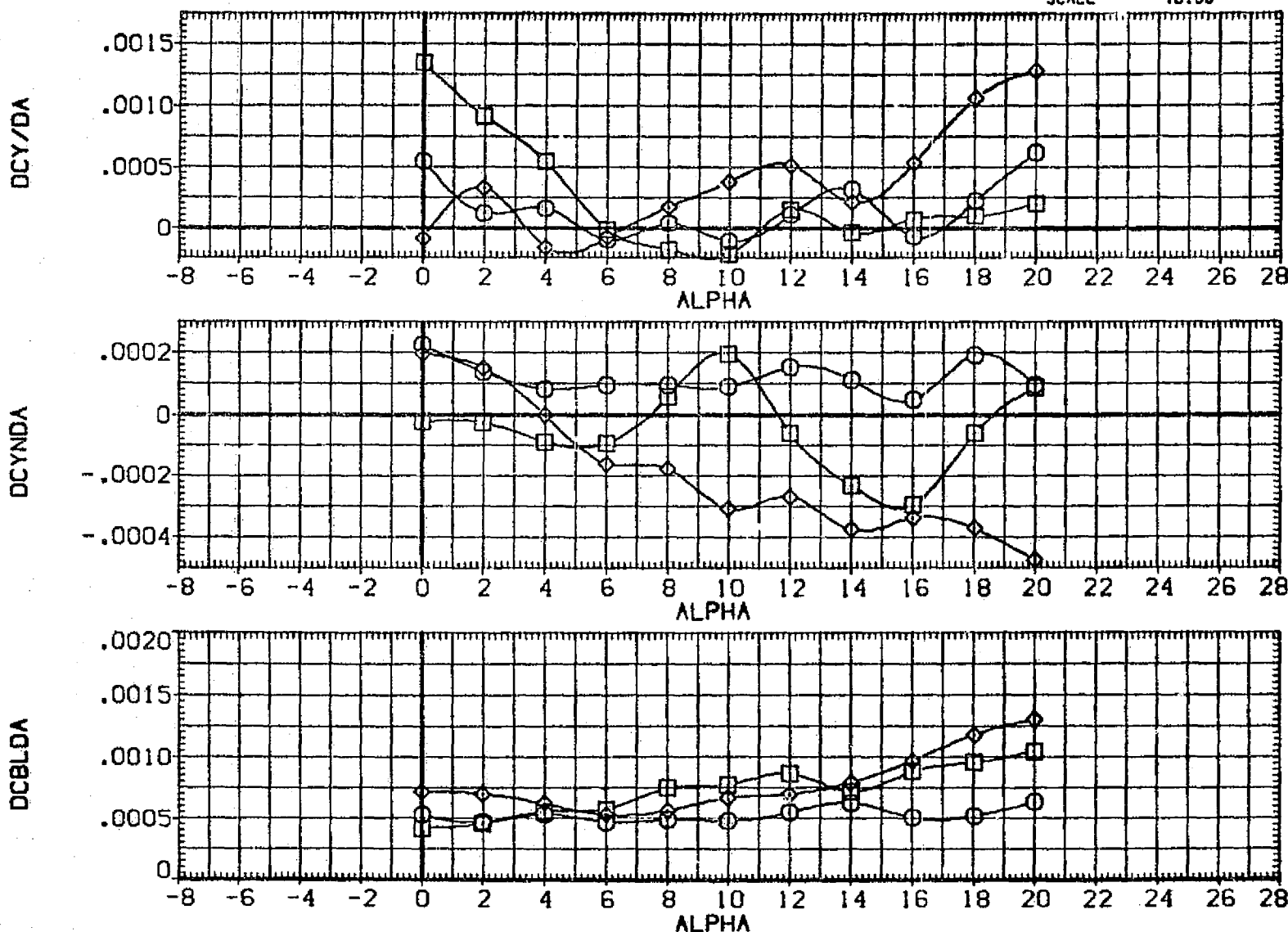


FIG. 15 AILERON DERIVATIVES FOR VARIOUS ELEVON DEFLECTIONS
(A)MACH = 3.00

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(CFD056)	LA67 (LTV 552)	ORBITER 49-0
(CFD050)	LA67 (LTV 552)	ORBITER 49-0
(CFD053)	LA67 (LTV 552)	ORBITER 49-0

RN/L	ELEVON	BETA
10.000	-10.000	.000
10.000	.000	.000
10.000	5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

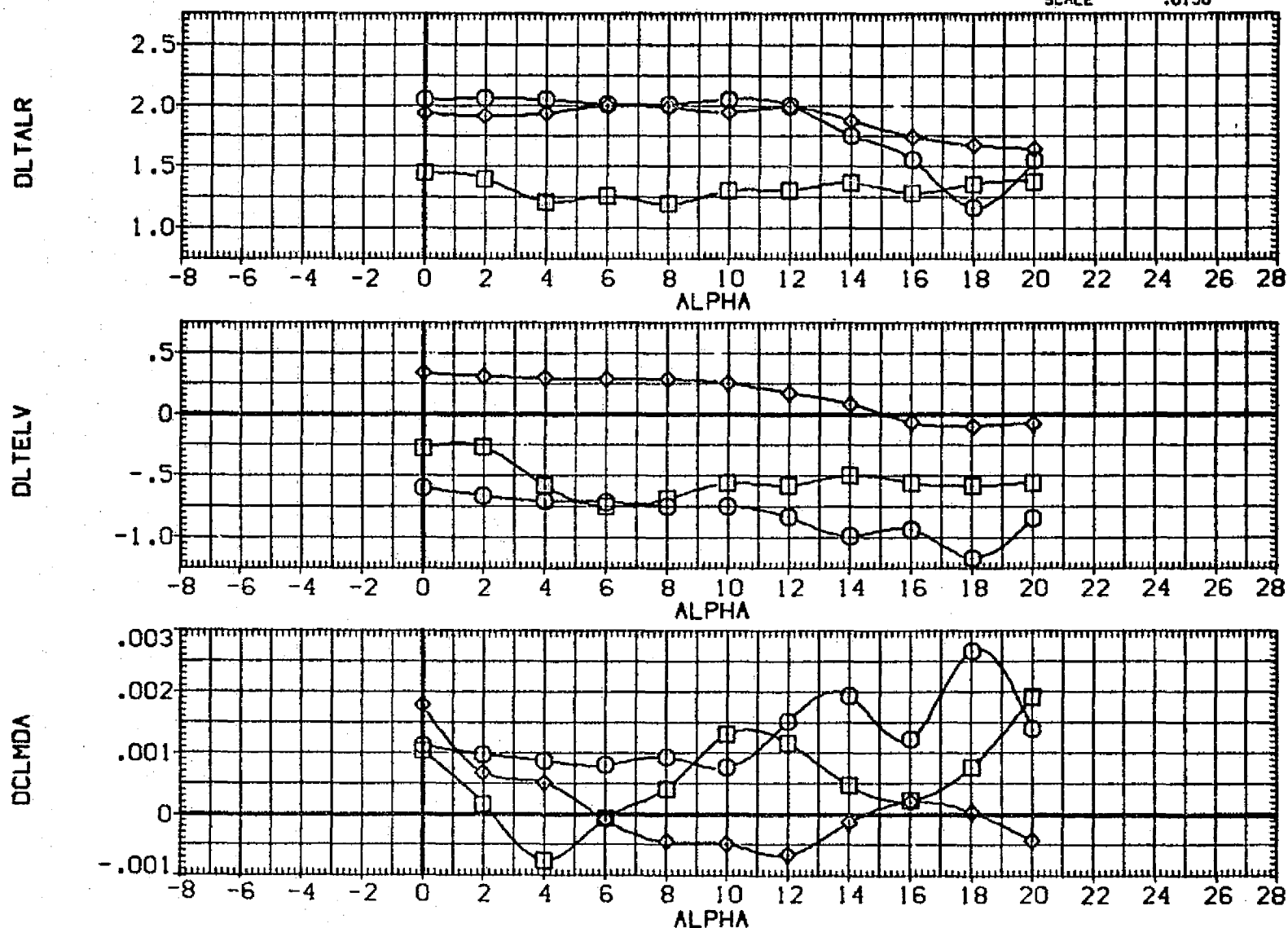


FIG. 15 AILERON DERIVATIVES FOR VARIOUS ELEVON DEFLECTIONS
(A) MACH = 3.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD057) \square	LA67 (LTV 552) ORBITER 49-0
(CFD051) \square	LA67 (LTV 552) ORBITER 49-0
(CFD054) \diamond	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	BETA
16.000	-10.000	.000
16.000	.000	.000
16.000	5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

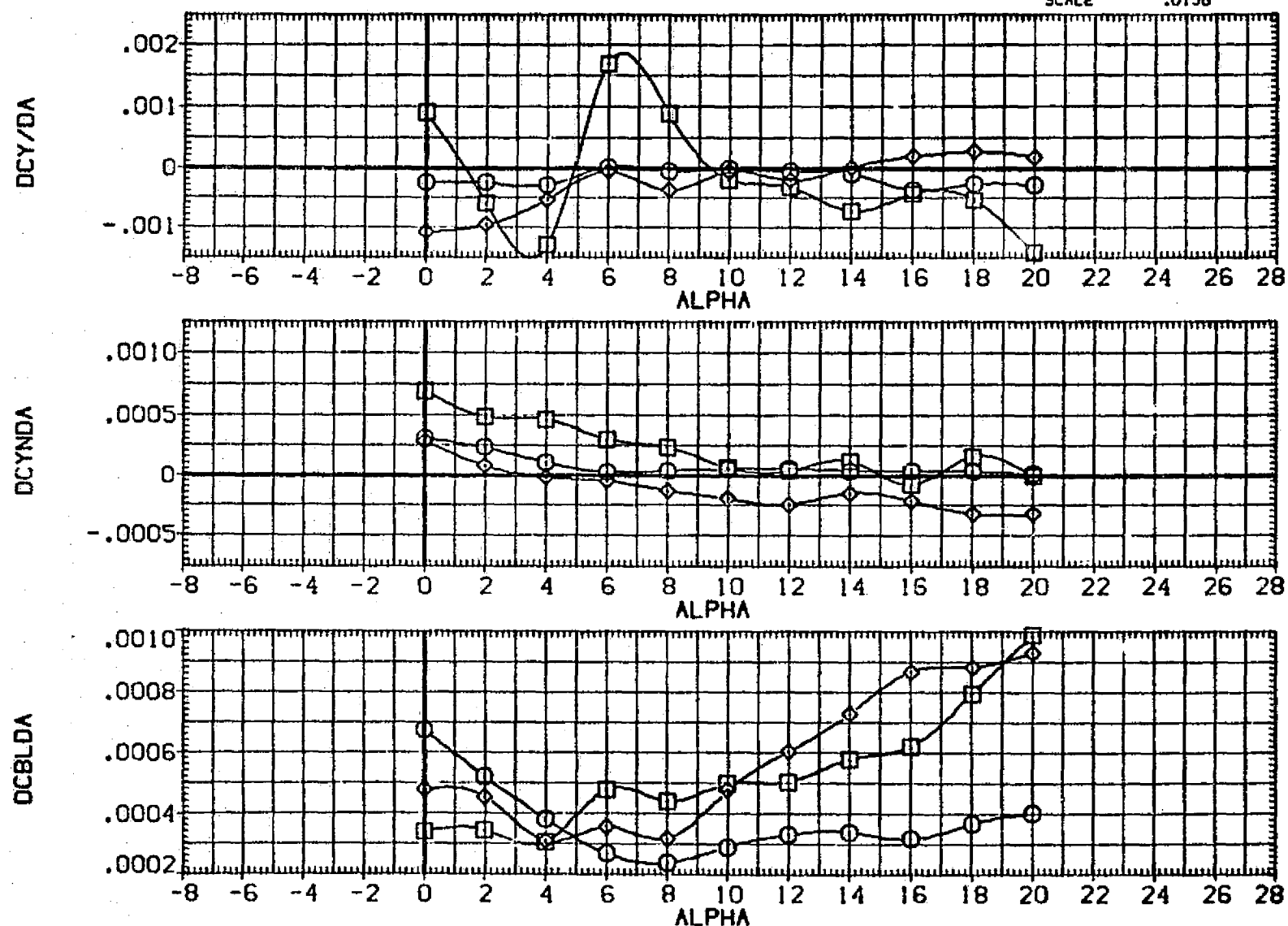


FIG. 15 AILERON DERIVATIVES FOR VARIOUS ELEVON DEFLECTIONS
(A) MACH = 4.60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CFD057)	LA67 (LTV 552) ORBITER 49-0
(CFD051)	LA67 (LTV 552) ORBITER 49-0
(CFD034)	LA67 (LTV 552) ORBITER 49-0

RN/L	ELEVON	BETA
16.000	-10.000	.000
16.000	.000	.000
16.000	5.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SO. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

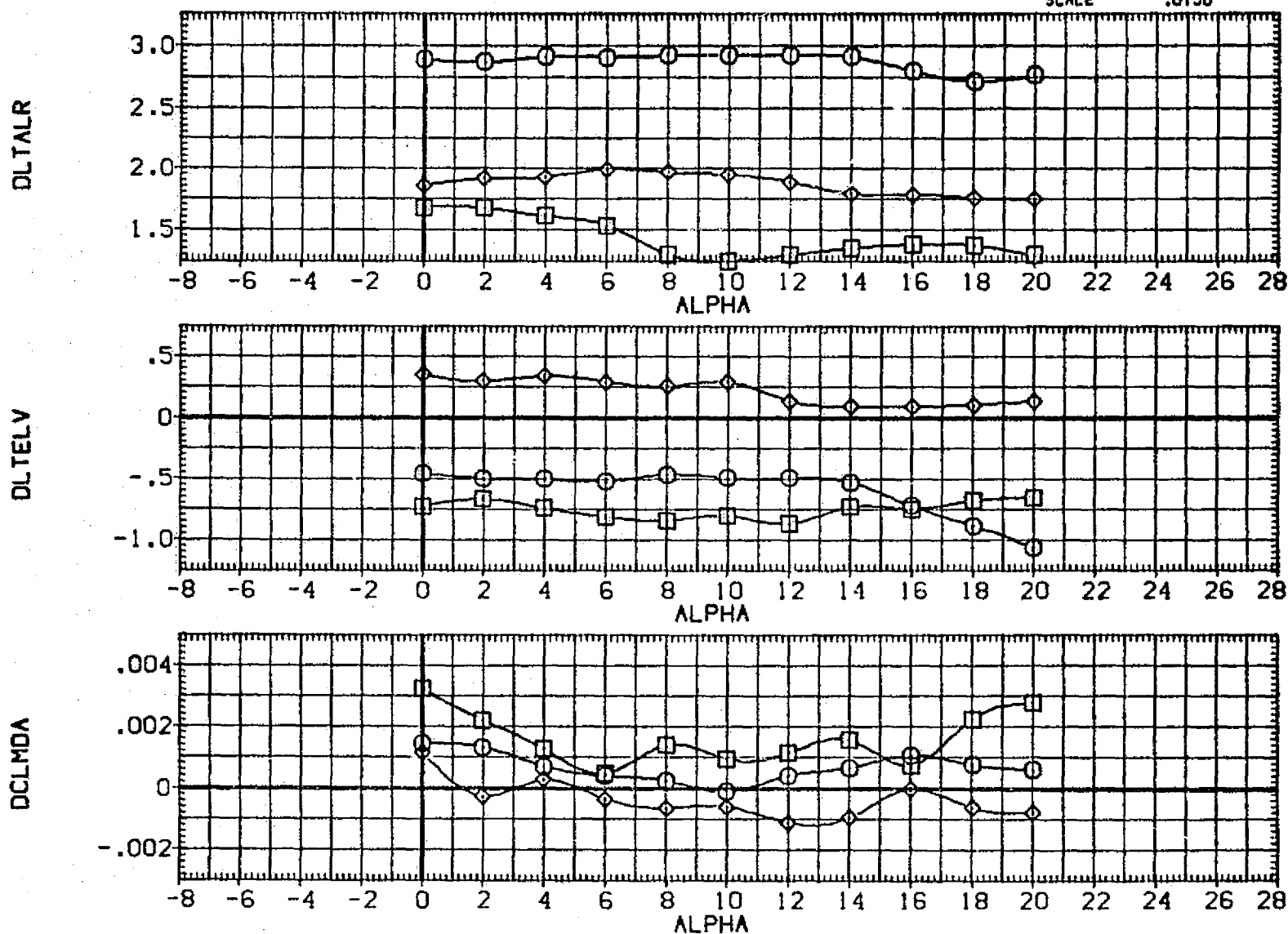


FIG. 15 AILERON DERIVATIVES FOR VARIOUS ELEVON DEFLECTIONS

(A)MACH = 4.60

SYMBOL
○MACH
.595

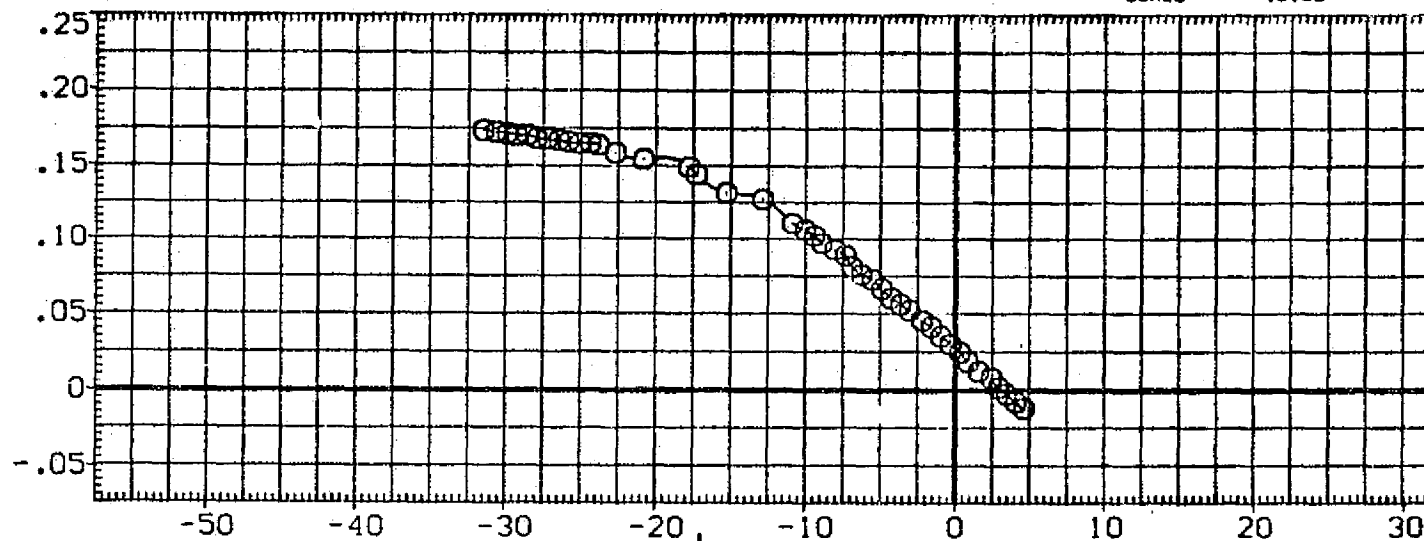
PARAMETRIC VALUES

ALPHA	6.000	AILRON	.000
SPDBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSPQS	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CLM



XCP/L

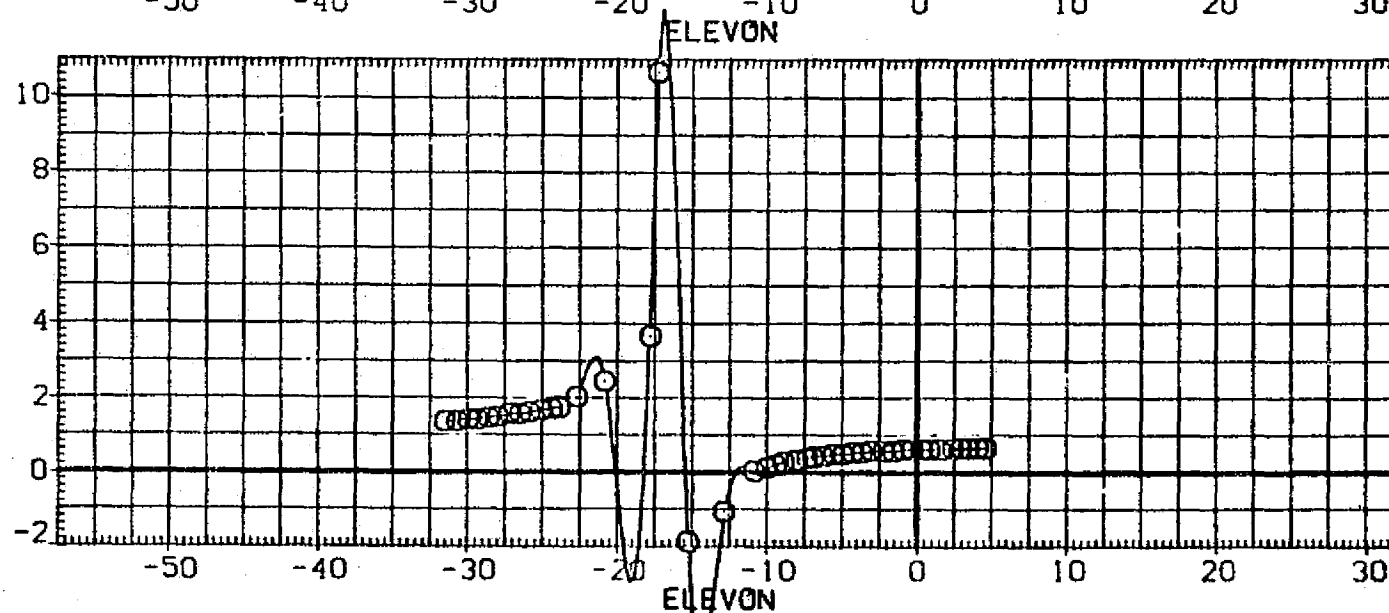


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LIV 552) ORBITER 49-0

(AFD101)

SYMBOL
○

MACH
.595

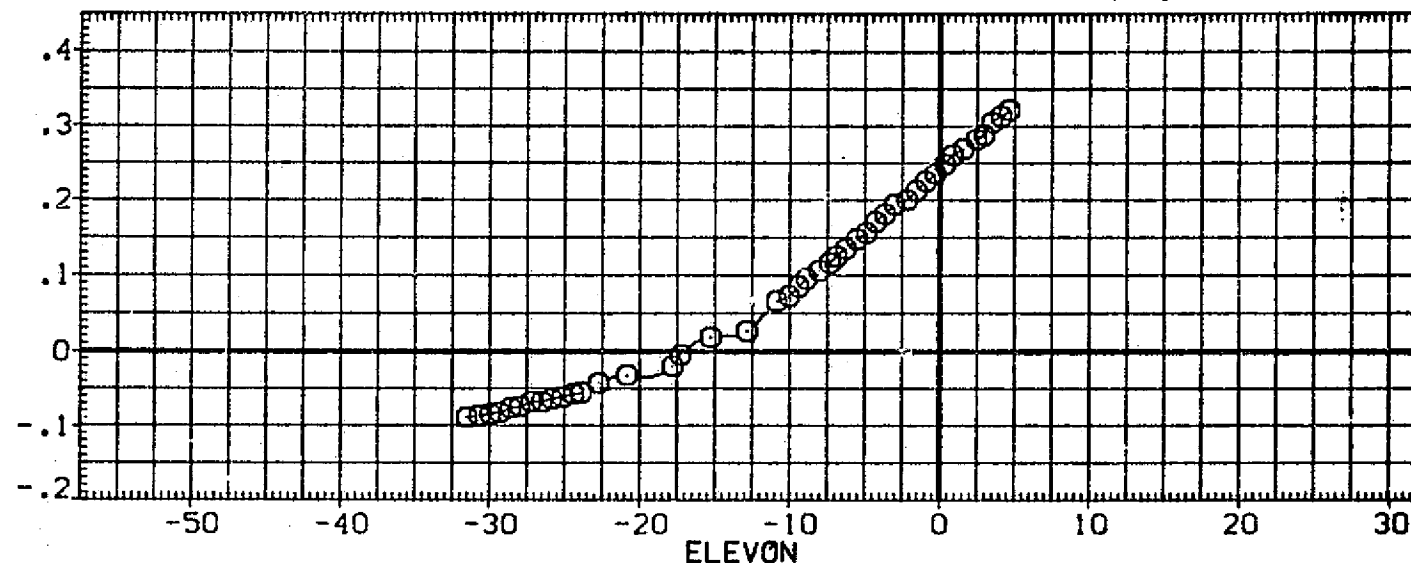
PARAMETRIC VALUES

ALPHA	6.000	ATLRN	.000
SPDRK	25.000	RN/L	5.000
GRITND	120.000	RCSPS	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CN



CA

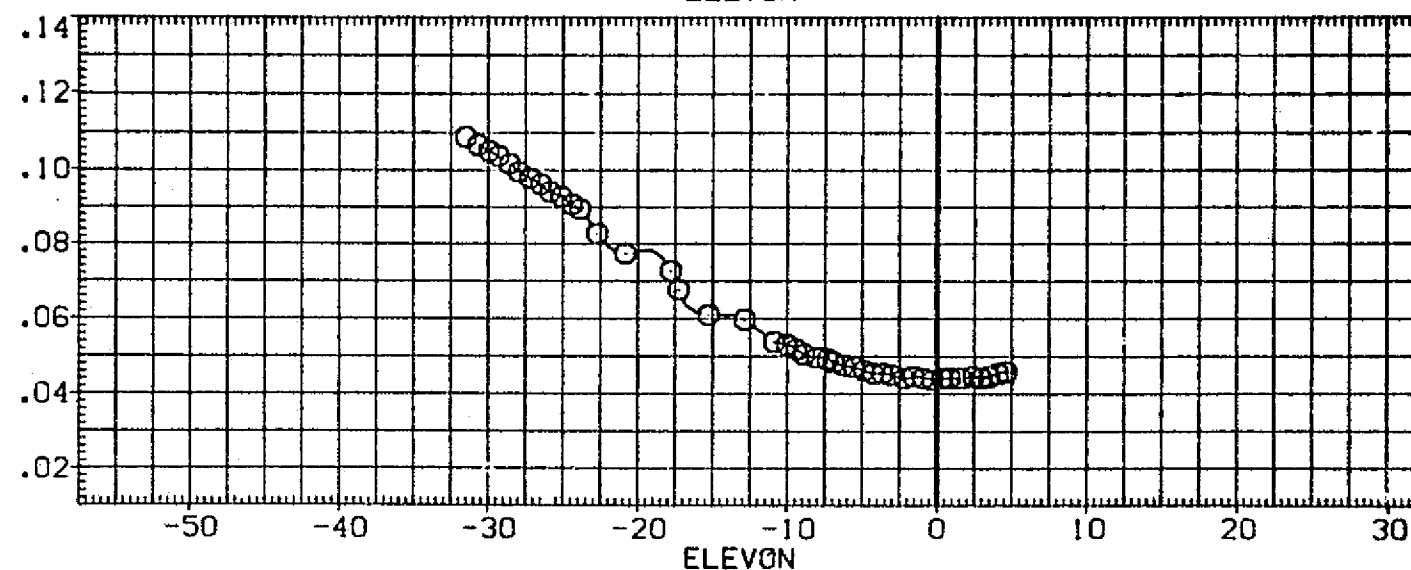


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○MACH
.595

PARAMETRIC VALUES			
ALPHA	6.000	AILRON	.000
SPDBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSP05	.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

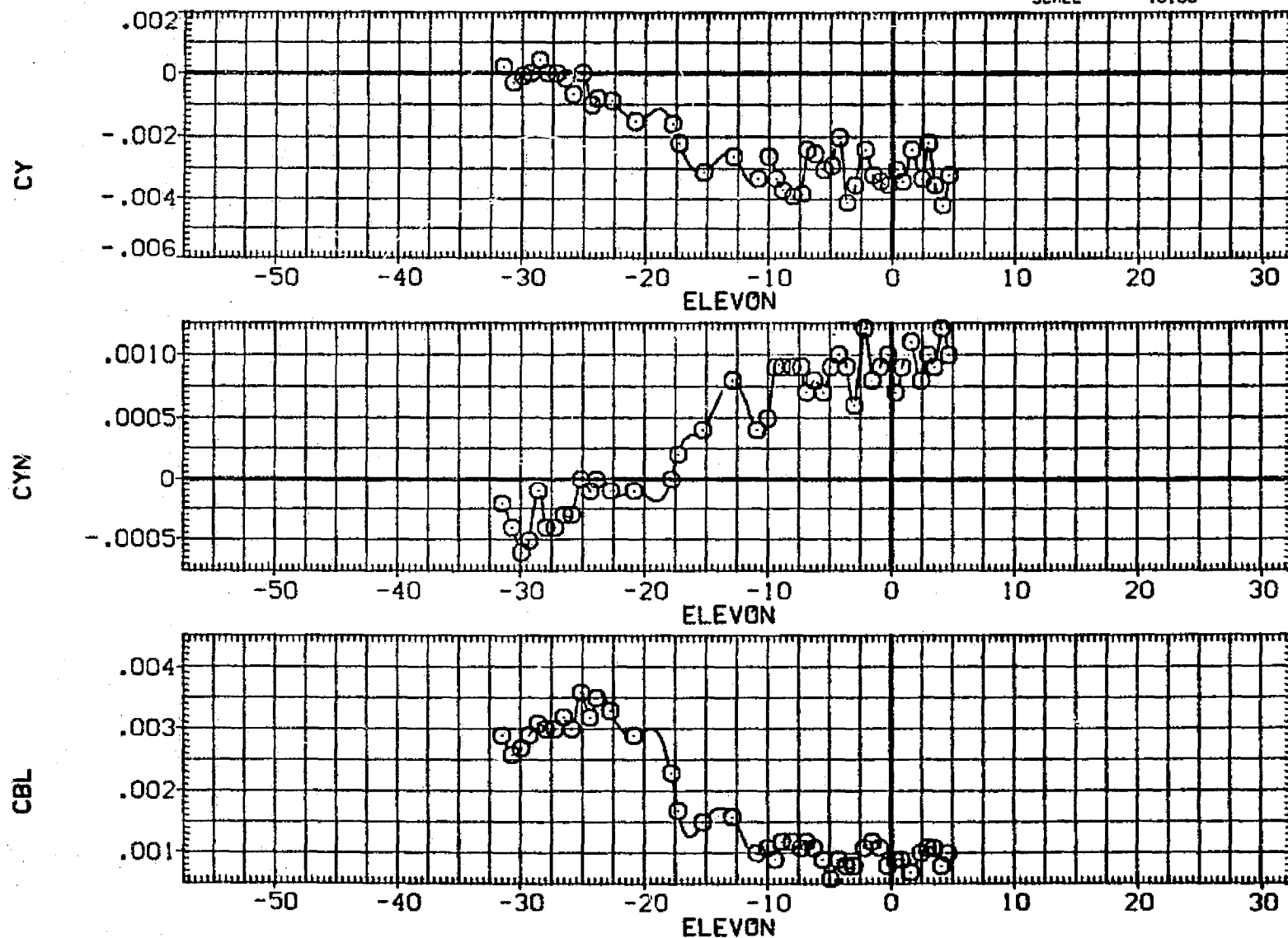


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD101)

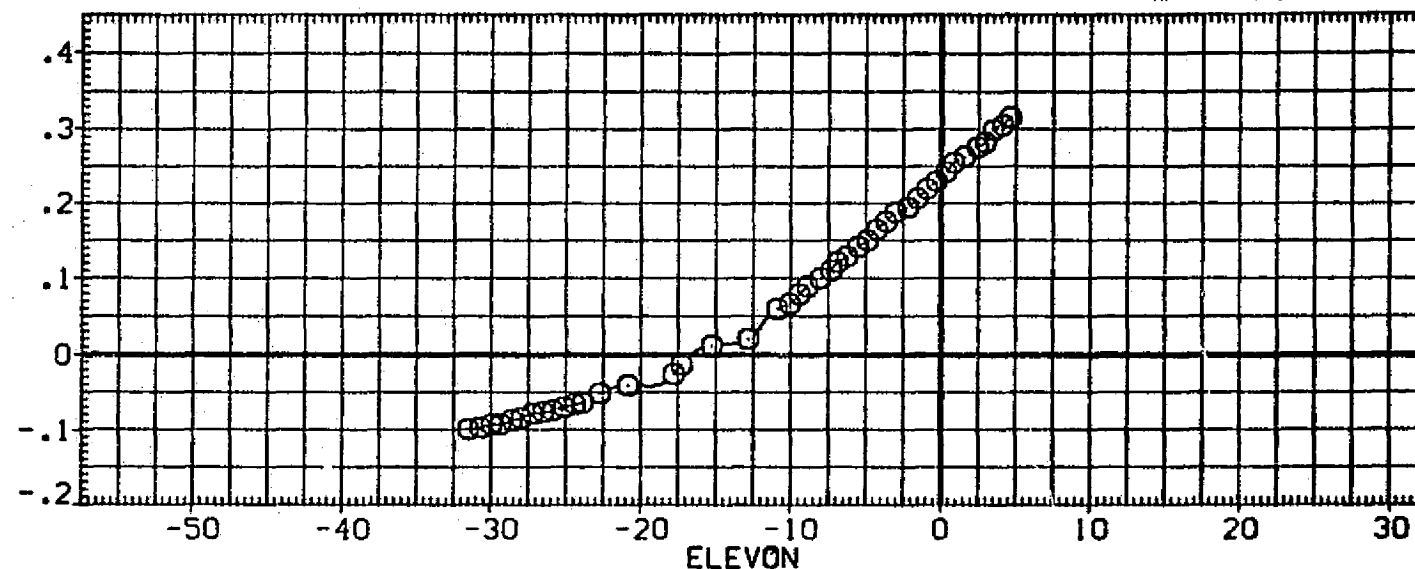
SYMBOL
○MACH
.595

PARAMETRIC VALUES			
ALPHA	6.000	AILRON	.000
SPOBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSPQS	.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



CD

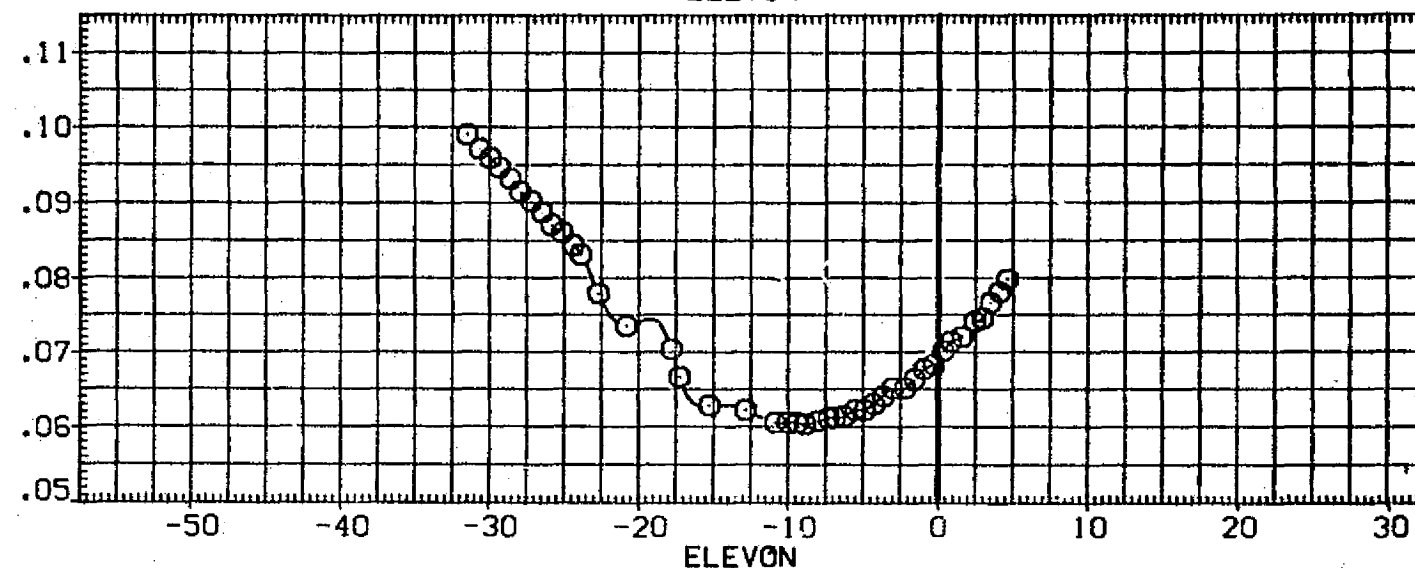


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	.595	ALPHA	6.000	AILRON	.000	SREF	2690.0000	50. FT.
		SPDBRK	25.000	RN/L	5.000	LREF	474.8000	INCHES
		GRITNO	120.000	RCSPDS	.000	BREF	936.7000	INCHES
		BETA	.000	BDFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

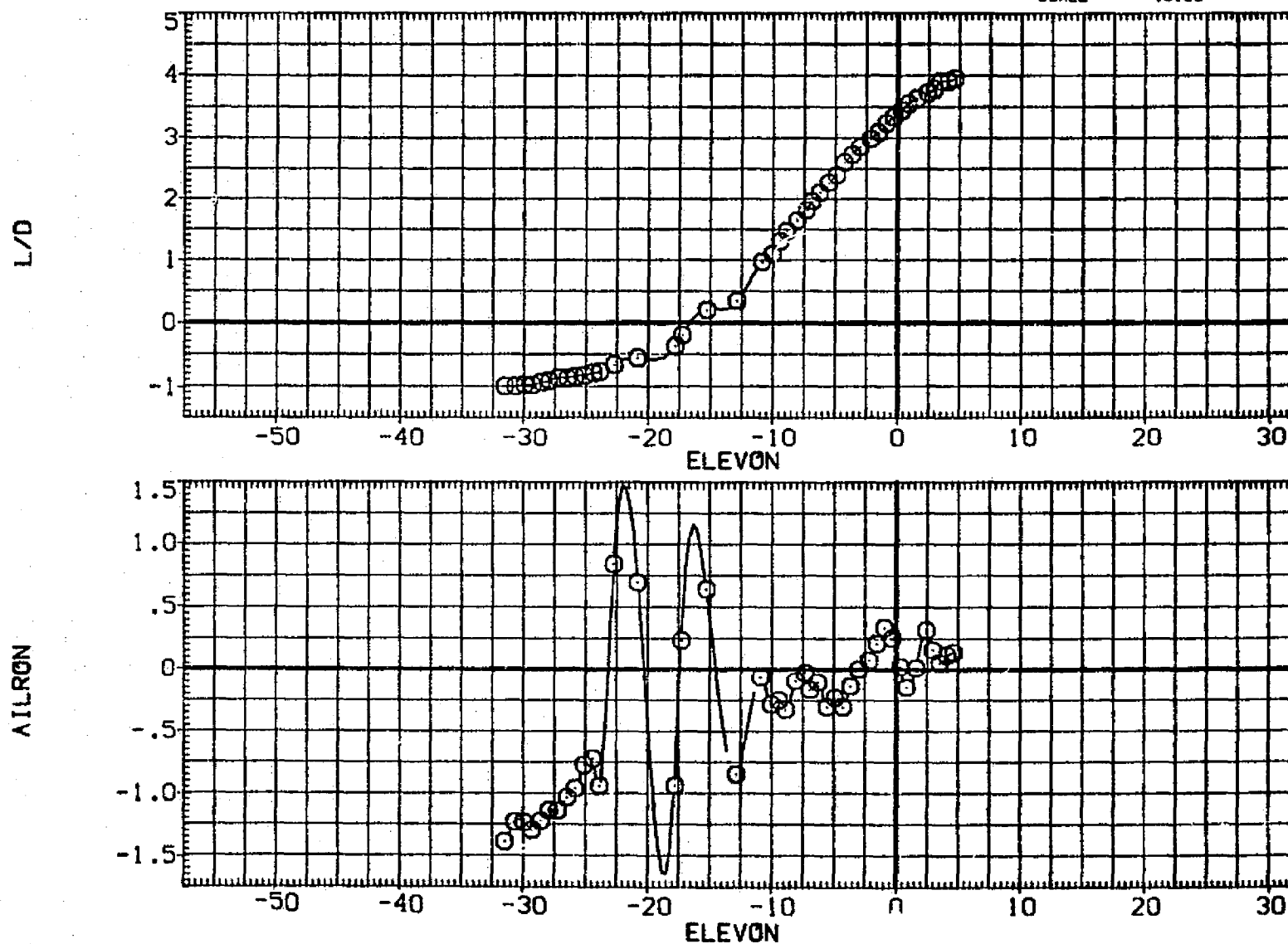


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD102)

SYMBOL
○

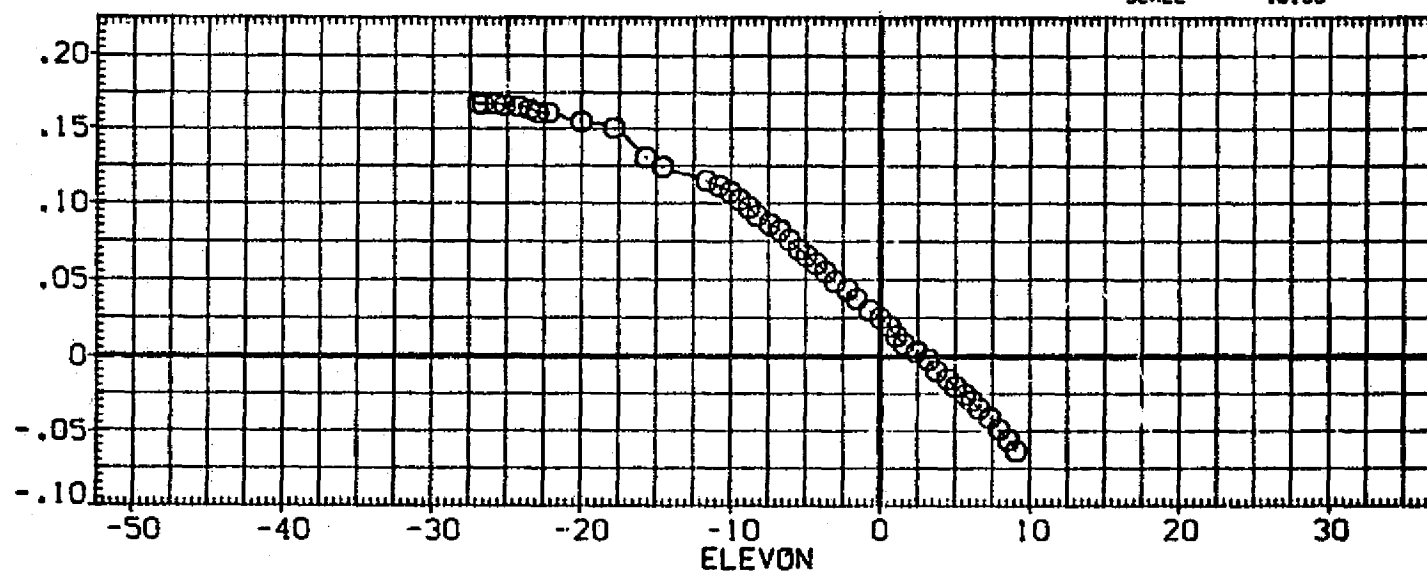
MACH
.590

PARAMETRIC VALUES			
ALPHA	13.000	AIRLN	.000
SPOBRK	25.000	RN/L	5.000
GRITND	120.000	RCSPS	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CLM



XCP/L

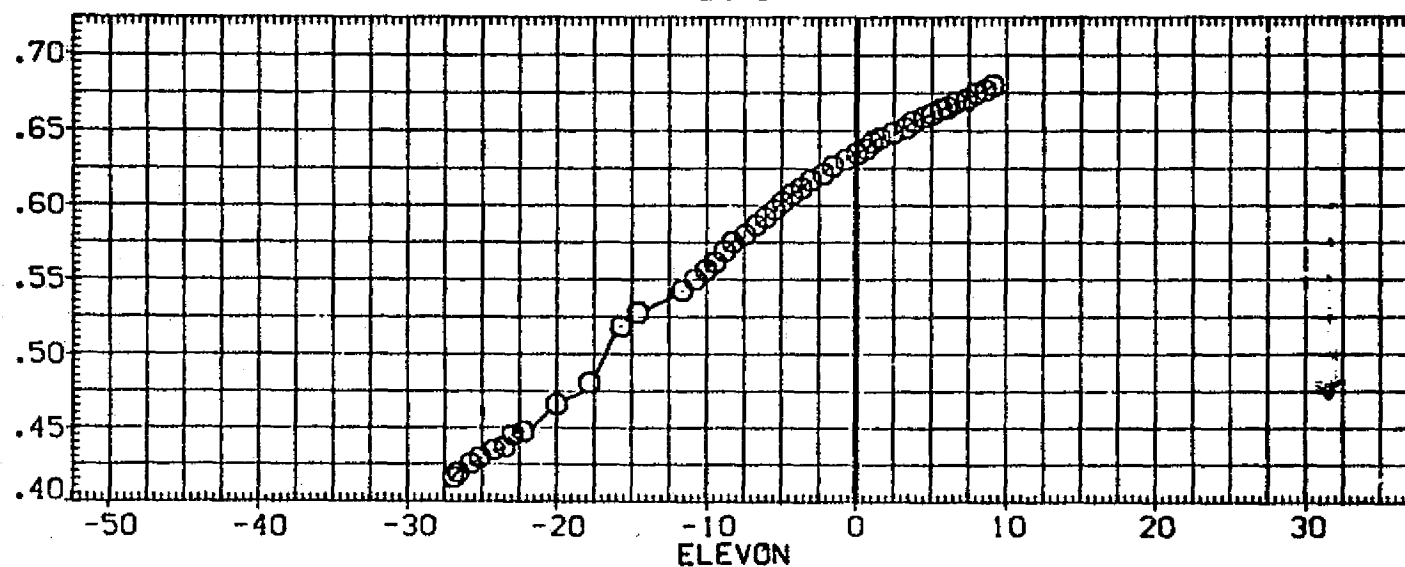


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
O	.590	ALPHA	13.000	AILRON	.000
		SPDBRK	25.000	RN/L	5.000
		GRITND	120.000	RCSPDS	.000
		BETA	.000	BOFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

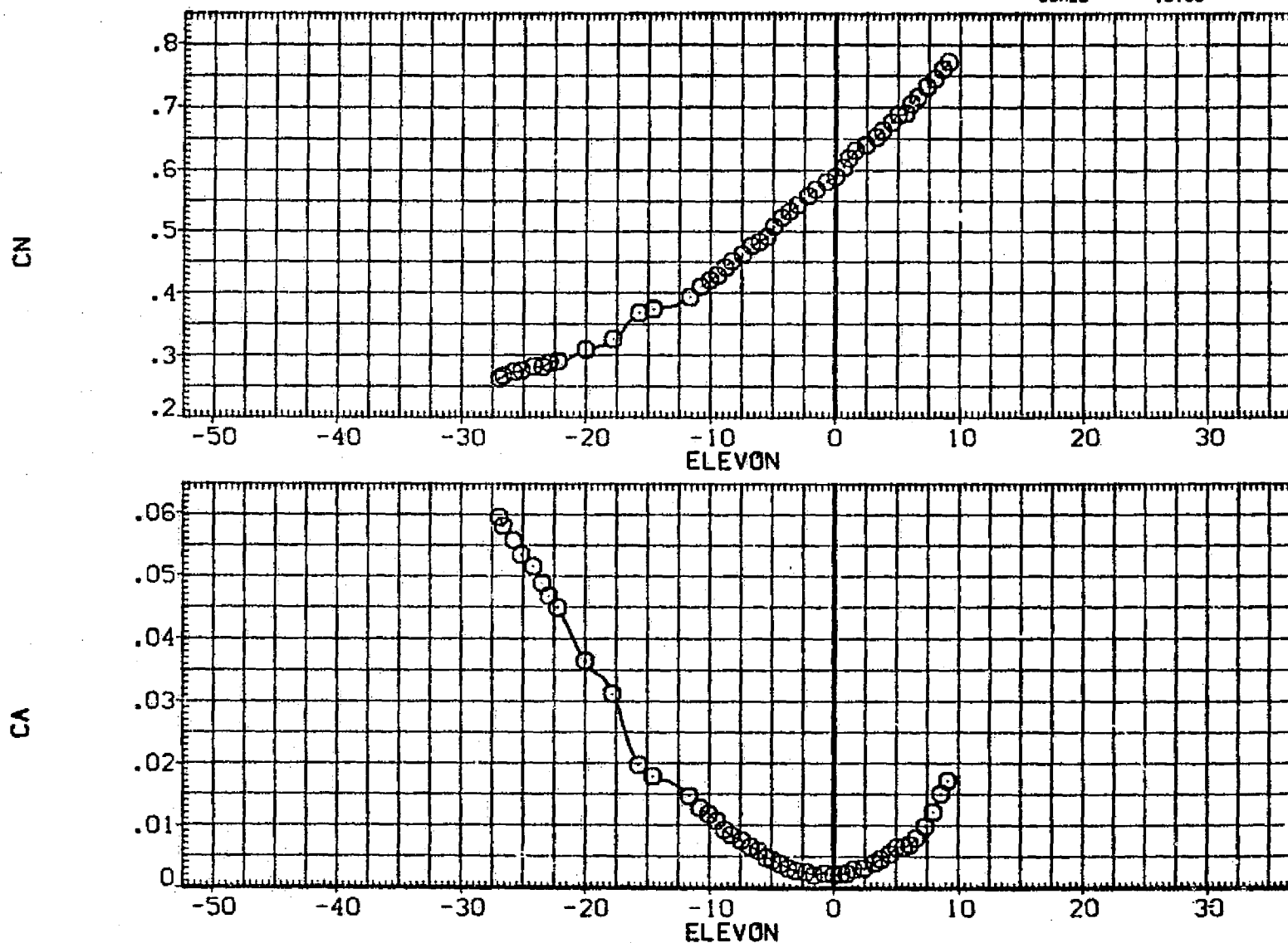


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD102)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.590	ALPHA	13.000	AILRON	.000
		SPDBRK	25.000	RN/L	5.000
		GRITND	120.000	RCSP0S	.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

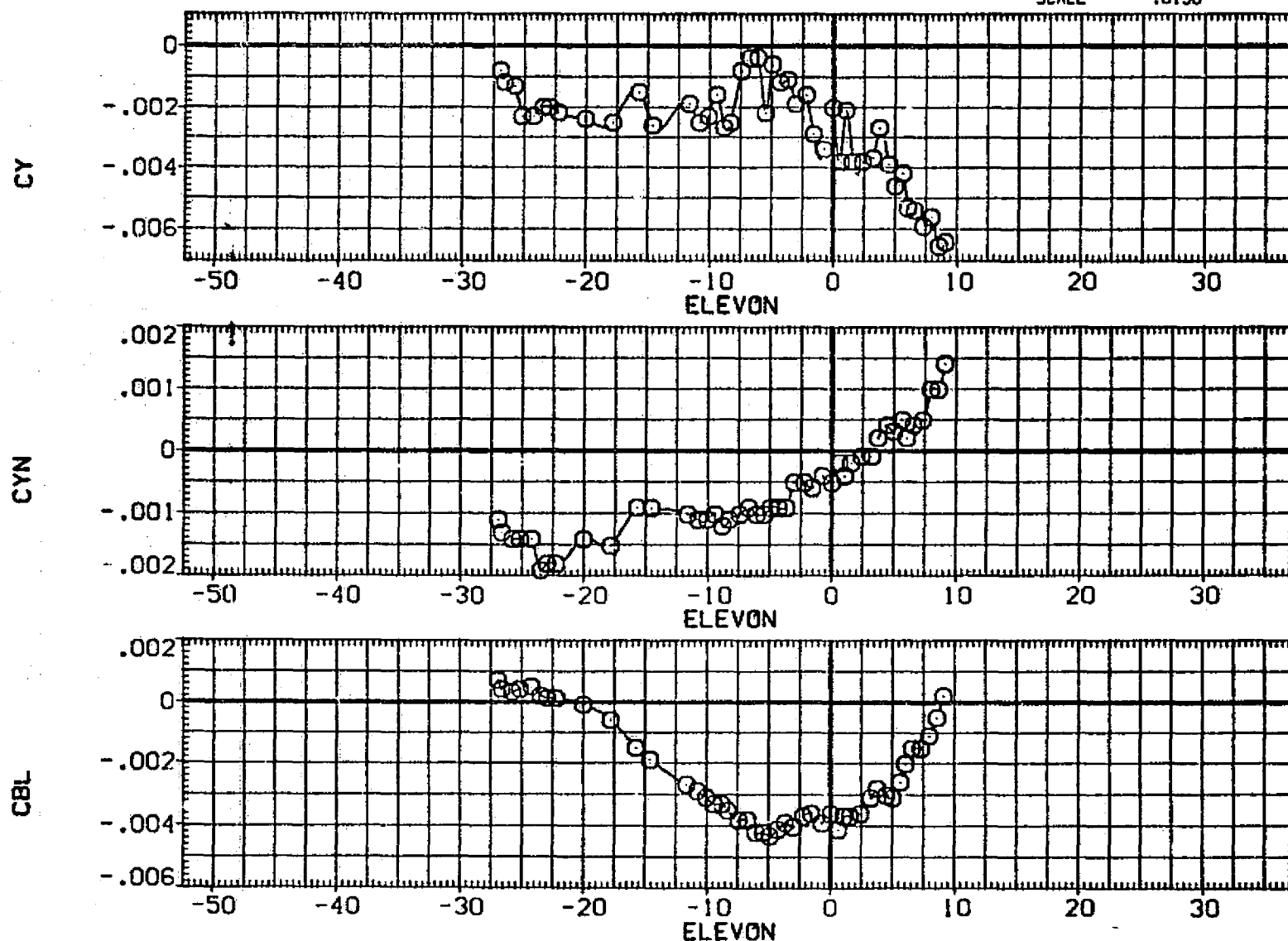


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○

MACH

.590

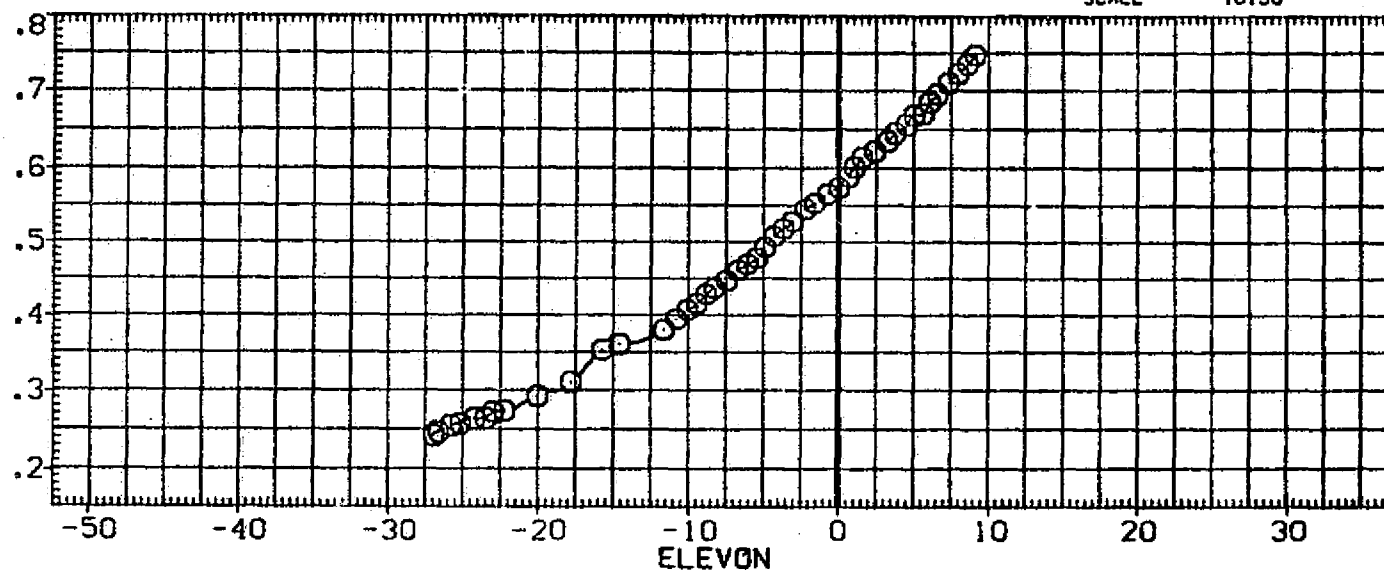
PARAMETRIC VALUES

ALPHA	13.000	AILRON	.000
SPDBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSP05	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



CD

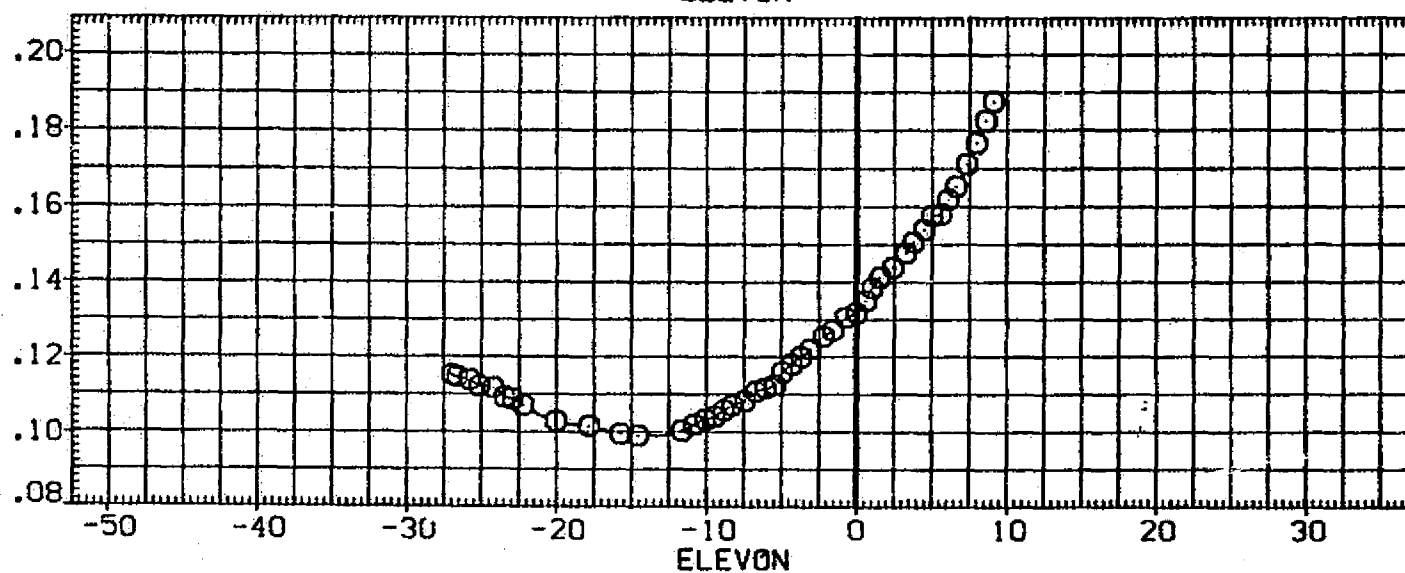


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD102)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.590	ALPHA	13.000	AILRON	.000
		SPDBRK	25.000	RN/L	5.000
		GRITNG	120.000	RCSPQS	.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

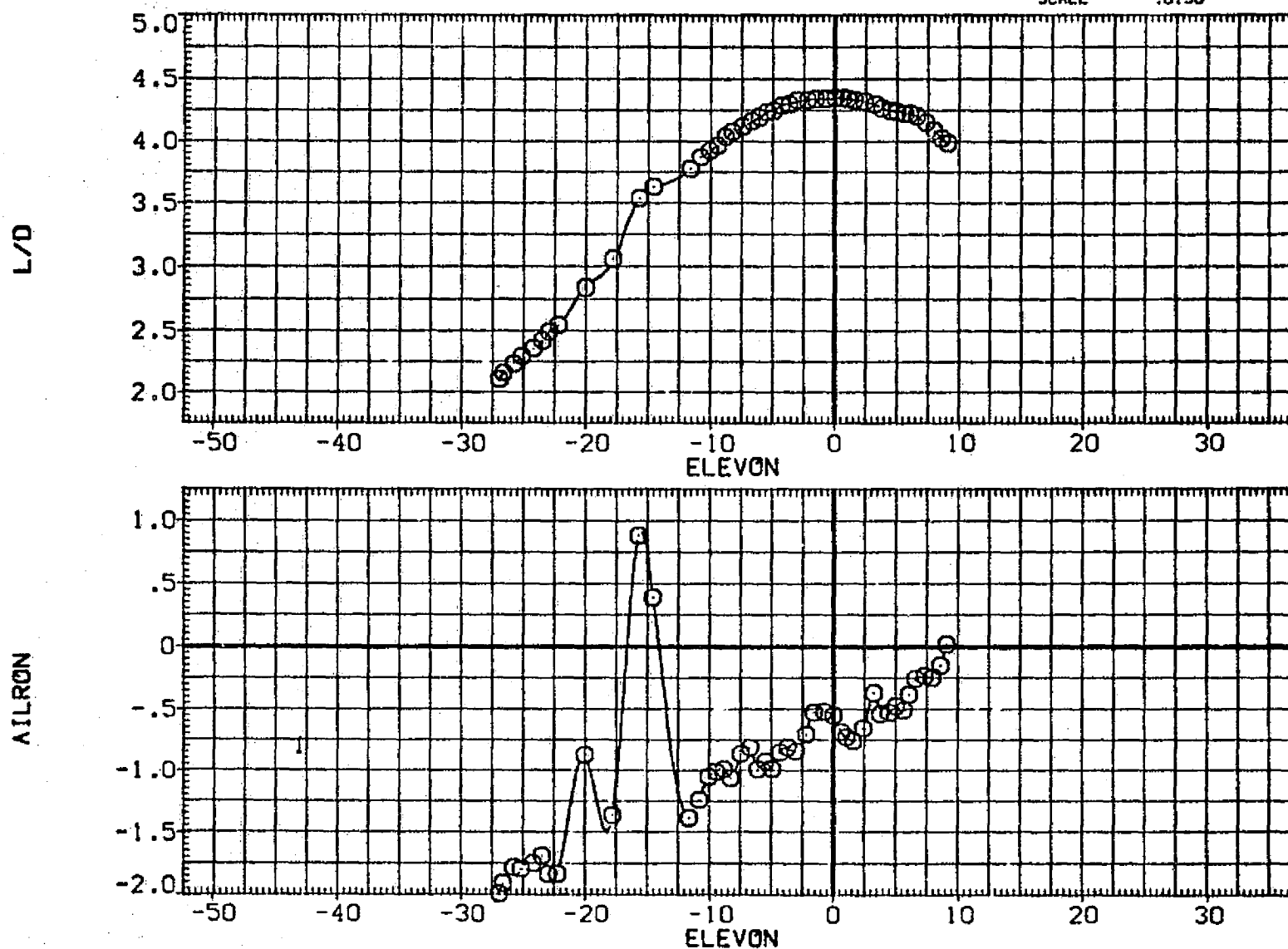


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

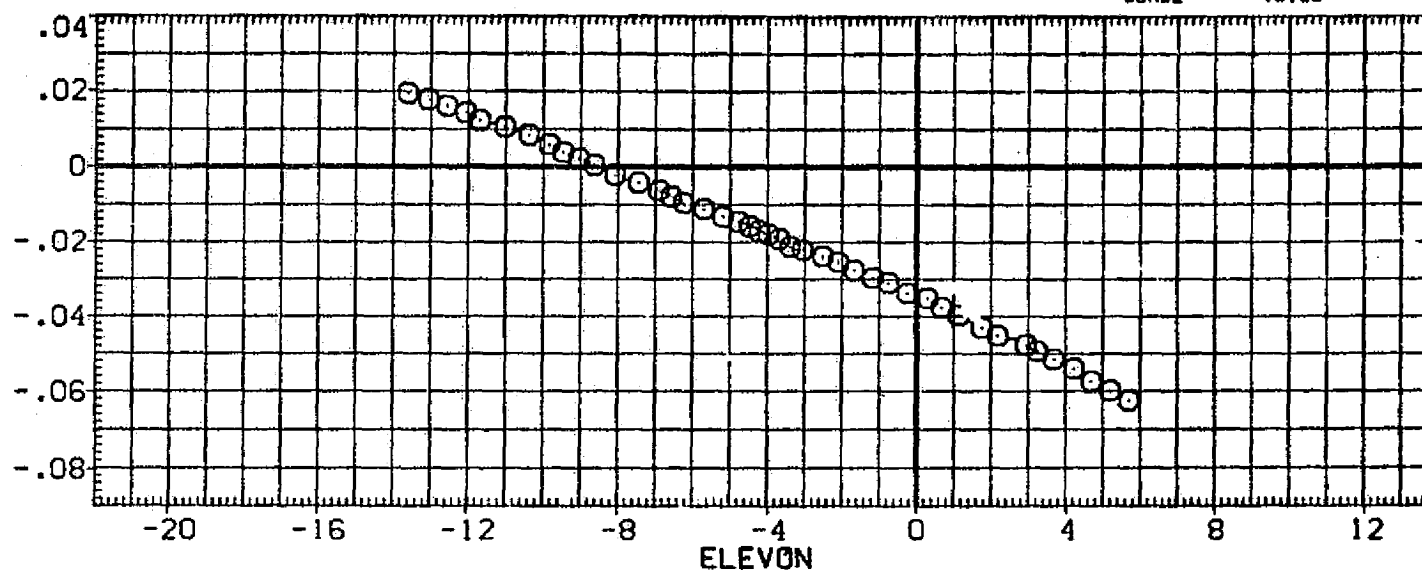
SYMBOL
○MACH
1.510

PARAMETRIC VALUES			
ALPHA	10.000	AILRON	.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CLM



XCP/L

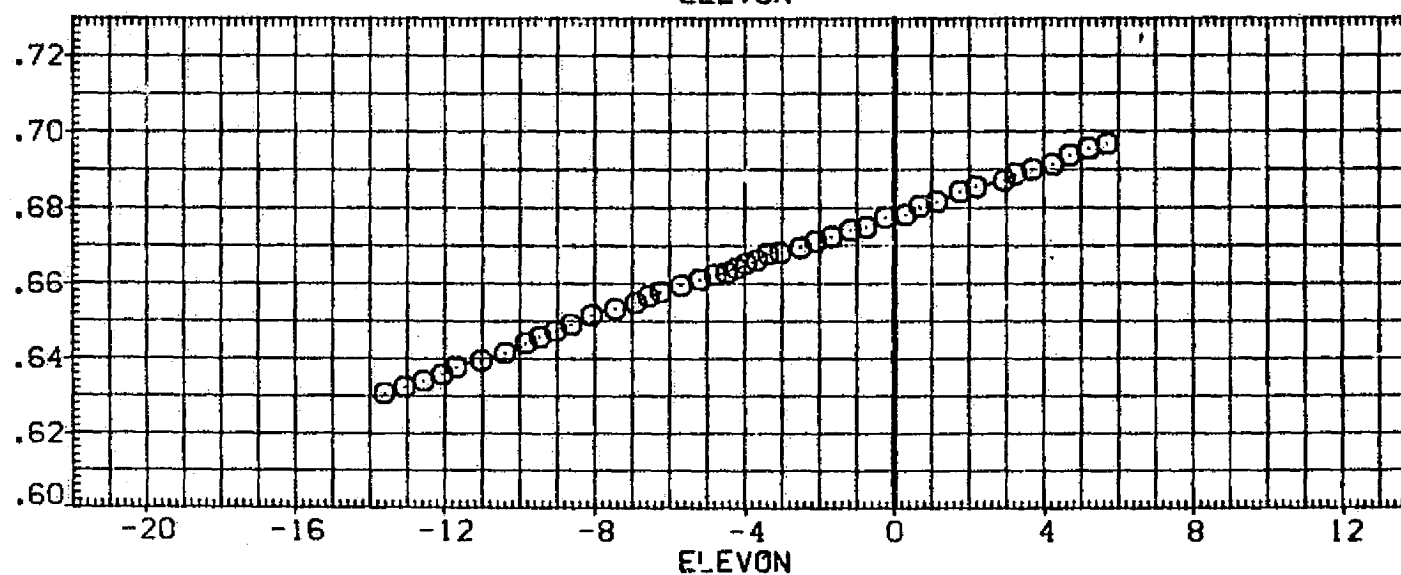


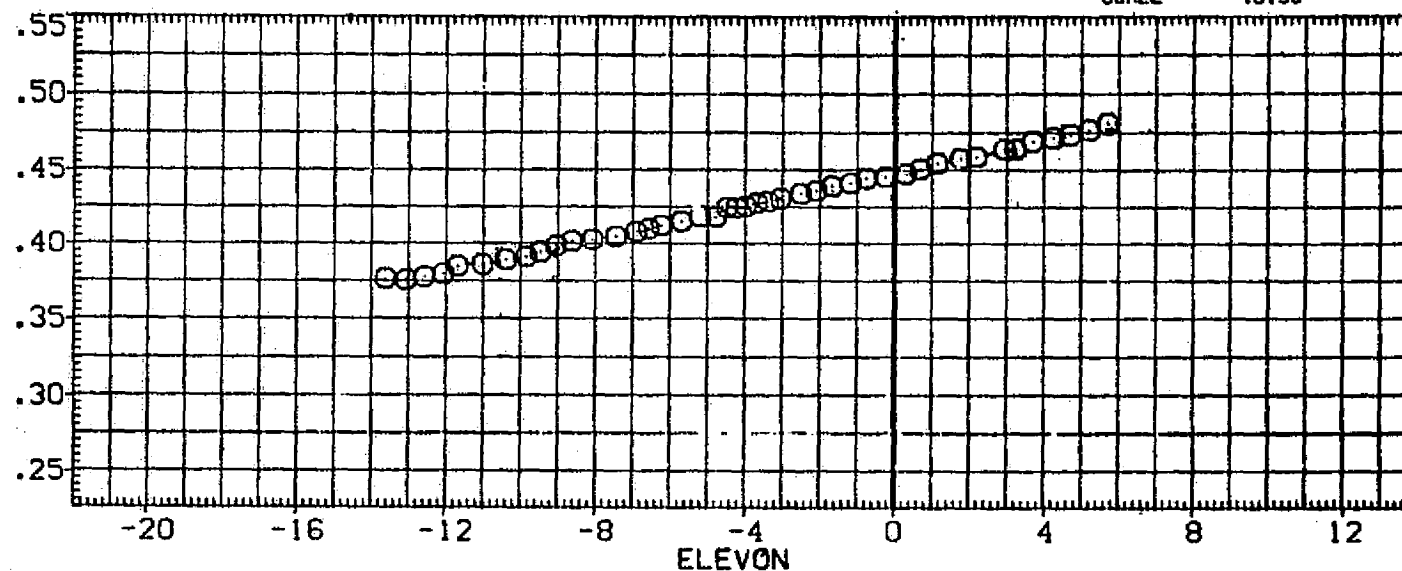
FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD107)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	1.310	ALPHA	10.000	AILRON	.000	SREF	2690.0000	90.FT.
		SPOBRK	55.000	RN/L	8.000	LREF	474.8000	INCHES
		GRITNO	.000	RCSP0S	1.000	BREF	936.7000	INCHES
		BETA	.000	BDFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

CN



CA

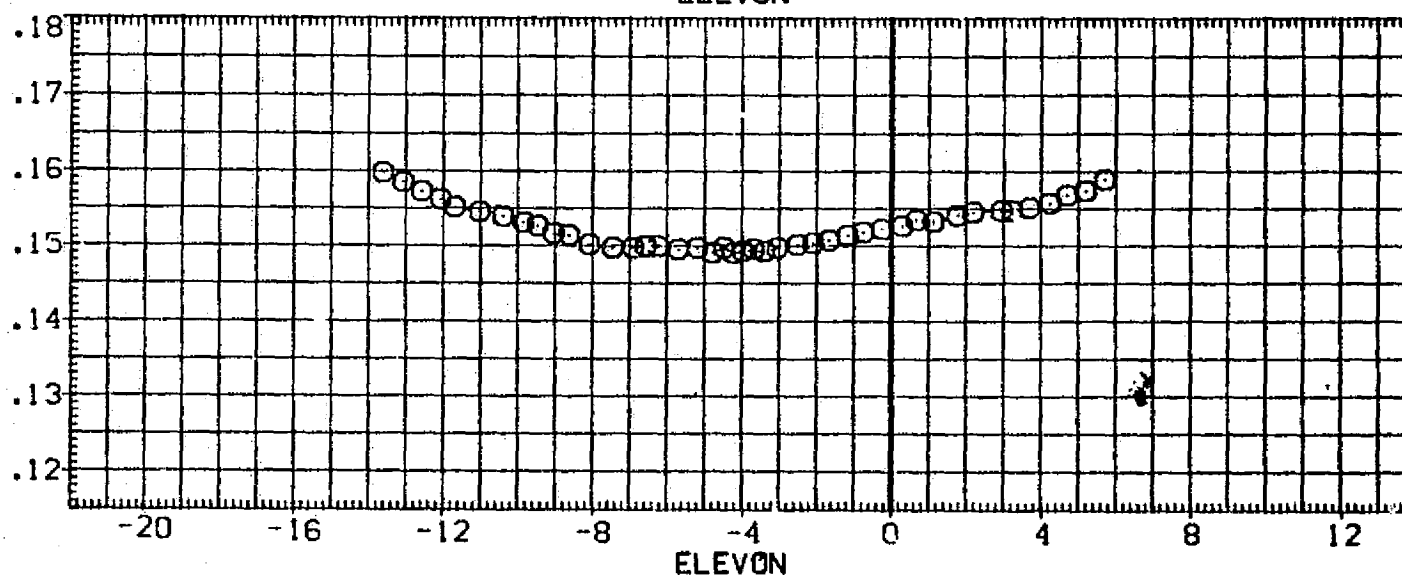


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL

○

MACH

1.510

PARAMETRIC VALUES

ALPHA	10.000	AILRON	.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO, FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

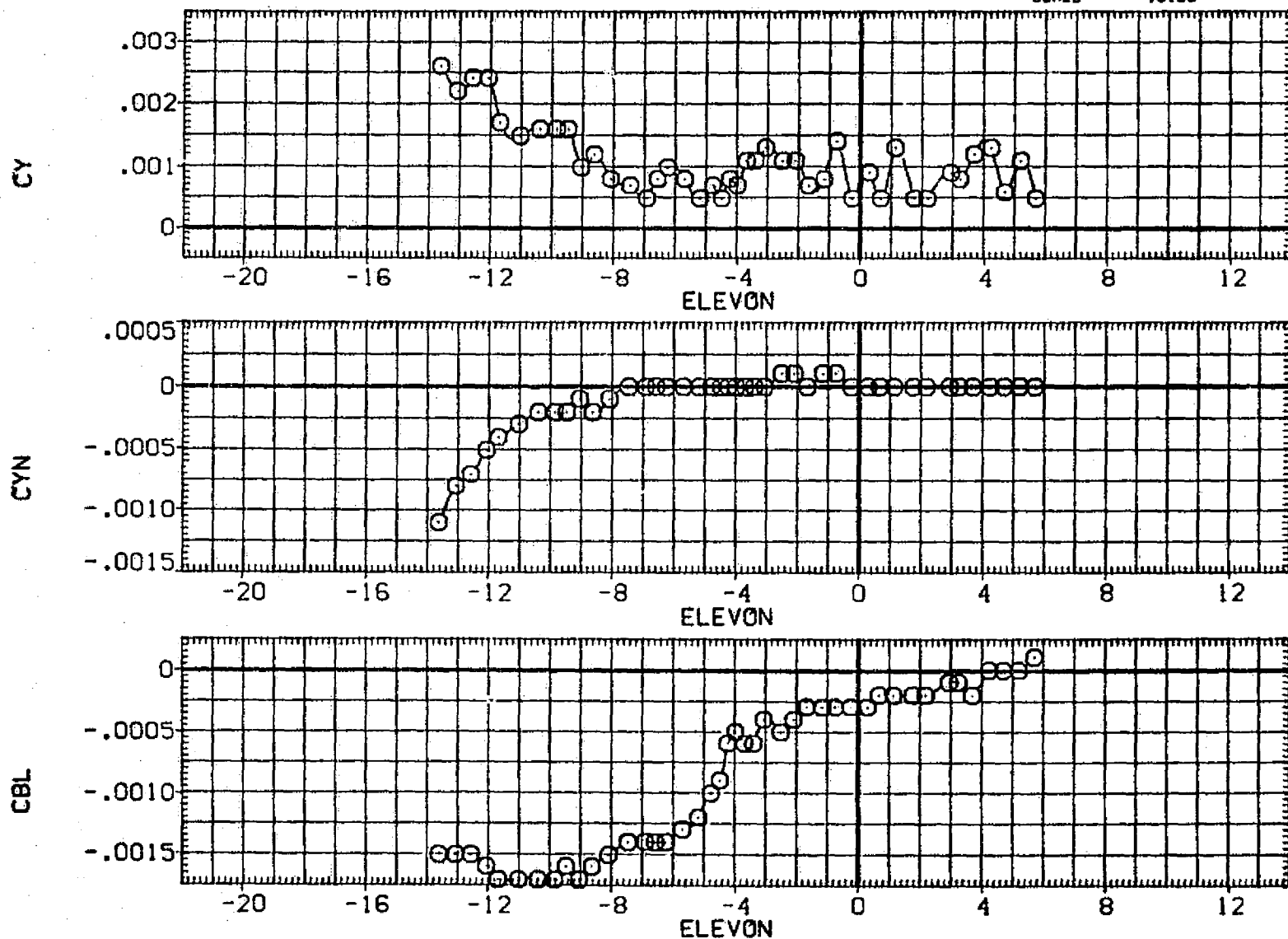


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD107)

SYMBOL
○MACH
1.510

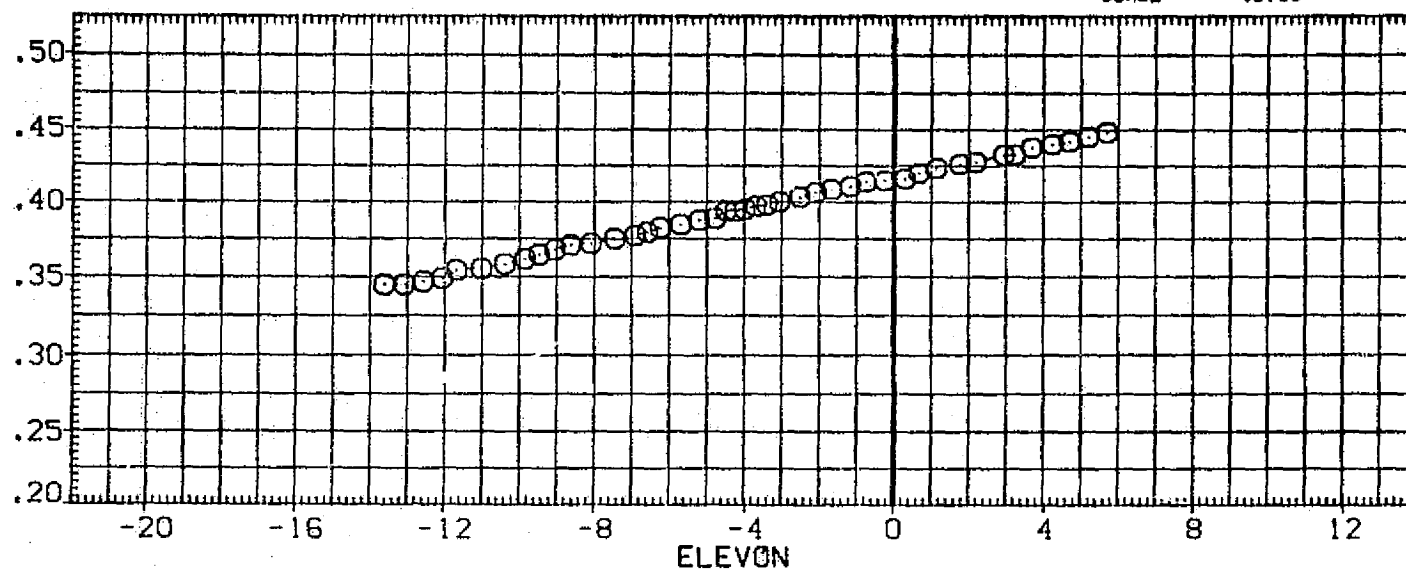
PARAMETRIC VALUES

ALPHA	10.000	A1LRON	.000
SPOBRK	55.000	RN/L	8.000
GRITND	.000	RCSPOS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



C

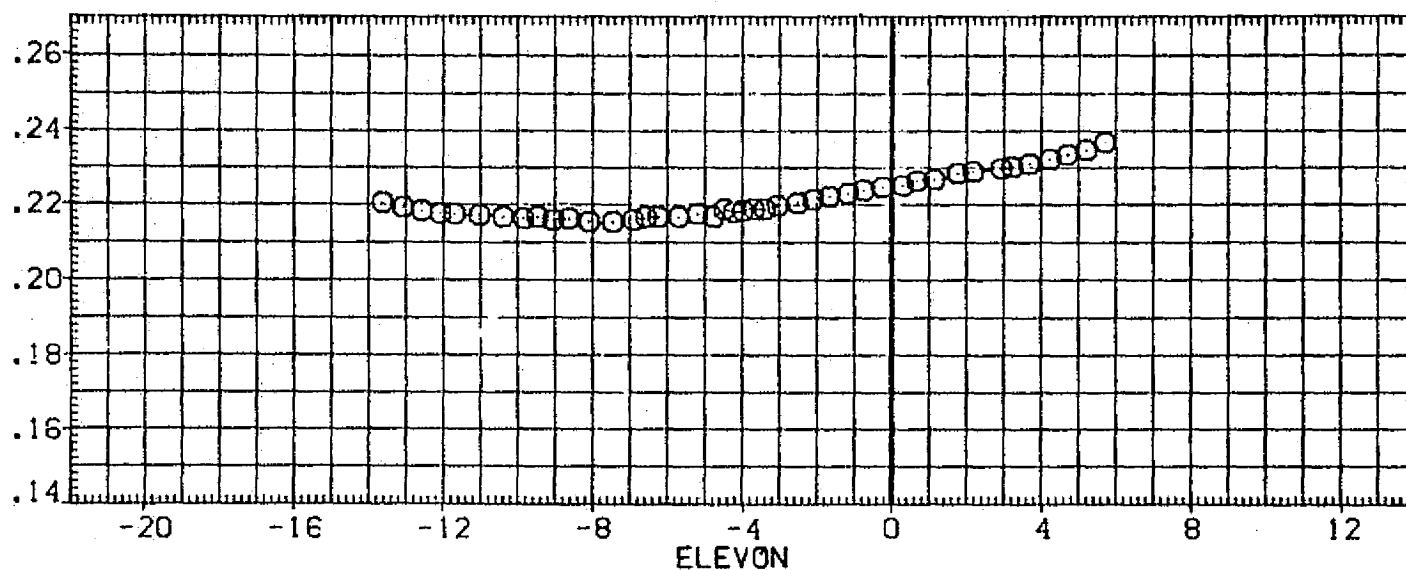


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○MACH
1.510

PARAMETRIC VALUES	
ALPHA	10.000
SPOBRK	55.000
GRITNO	.000
BETA	.000
RUDDER	.000

AILRON	.000
RN/L	8.000
RCSPDS	1.000
BDFLAP	.000

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

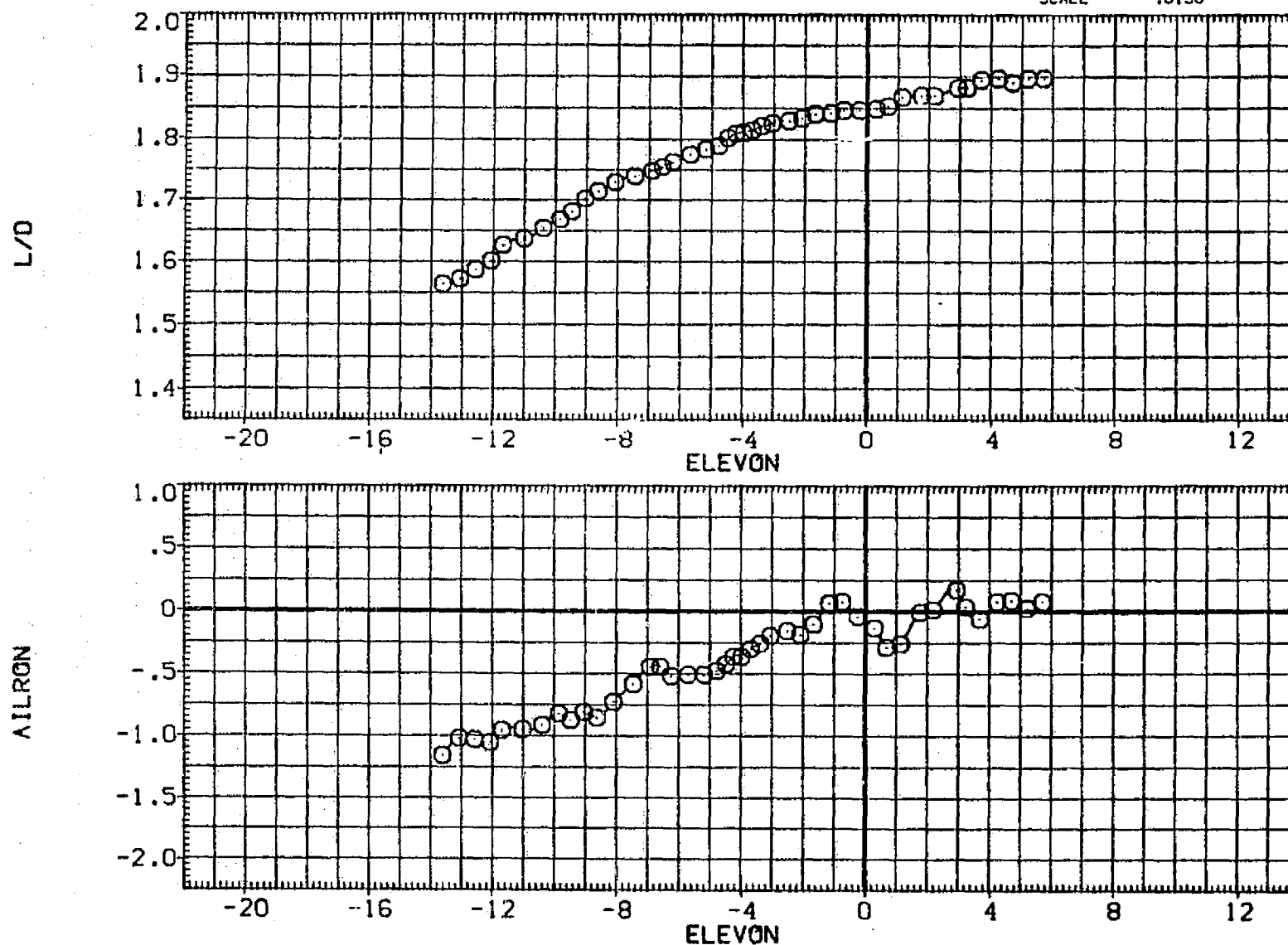


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD107)

SYMBOL
○MACH
2.010

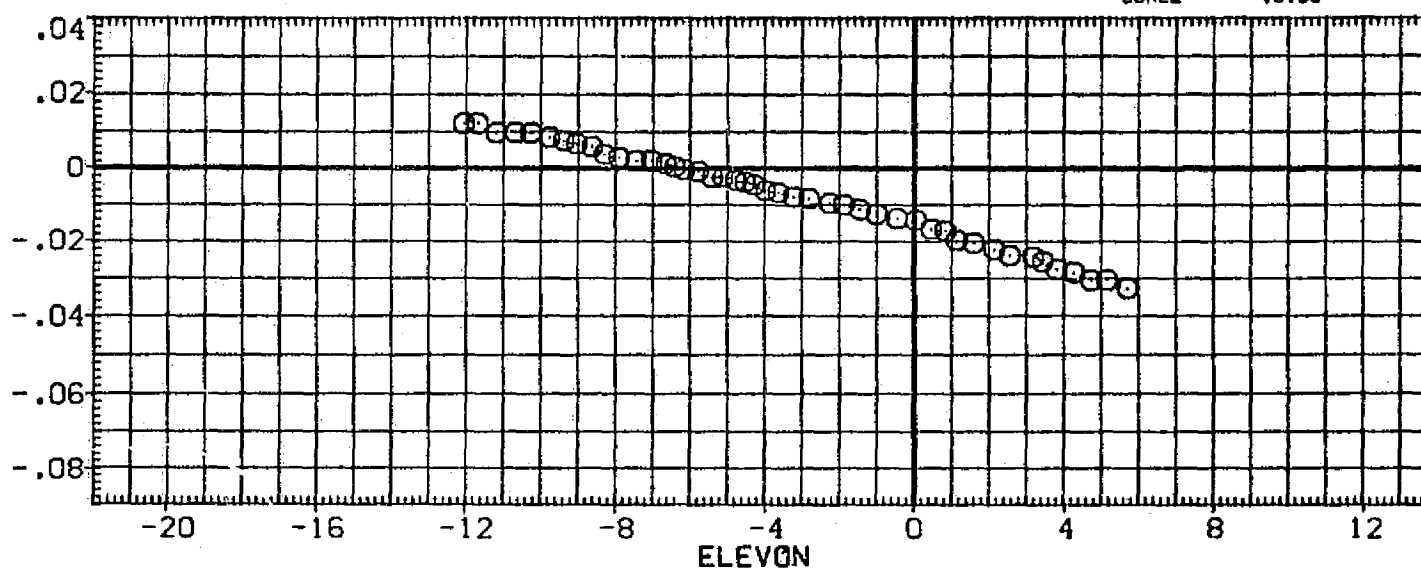
PARAMETRIC VALUES	
ALPHA	10.000
SPOBRK	55.000
GRITND	.000
BETA	.000
RUDDER	.000

AILRON	.000
RN/L	8.000
RCSP05	1.000
BOFLAP	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CLM



XCP/L

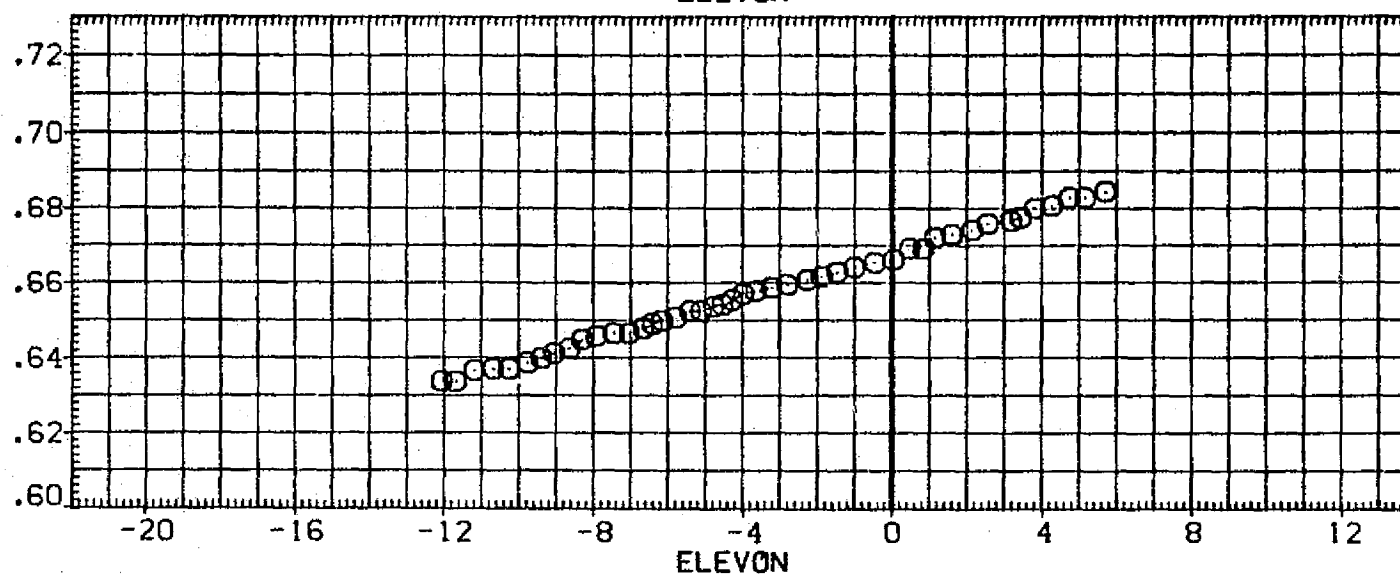


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
OMACH
2.010

PARAMETRIC VALUES

ALPHA	10.000	AILRON	.000
SPDBRK	55.000	RN/L	8.000
GRITND	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

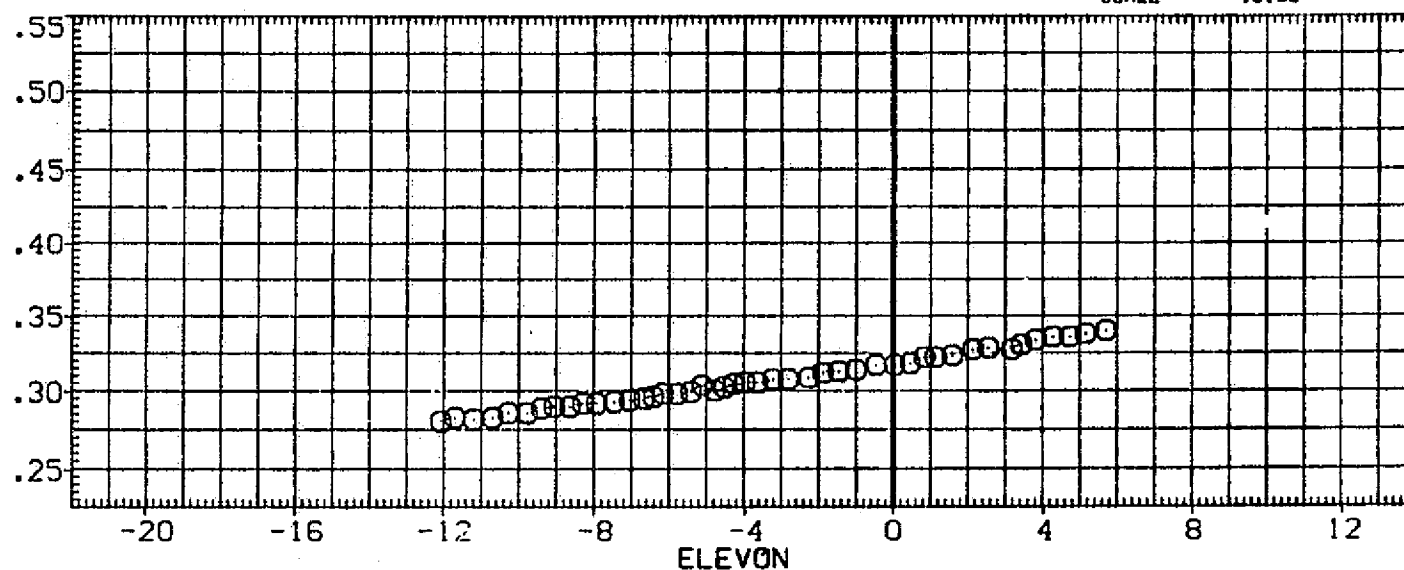
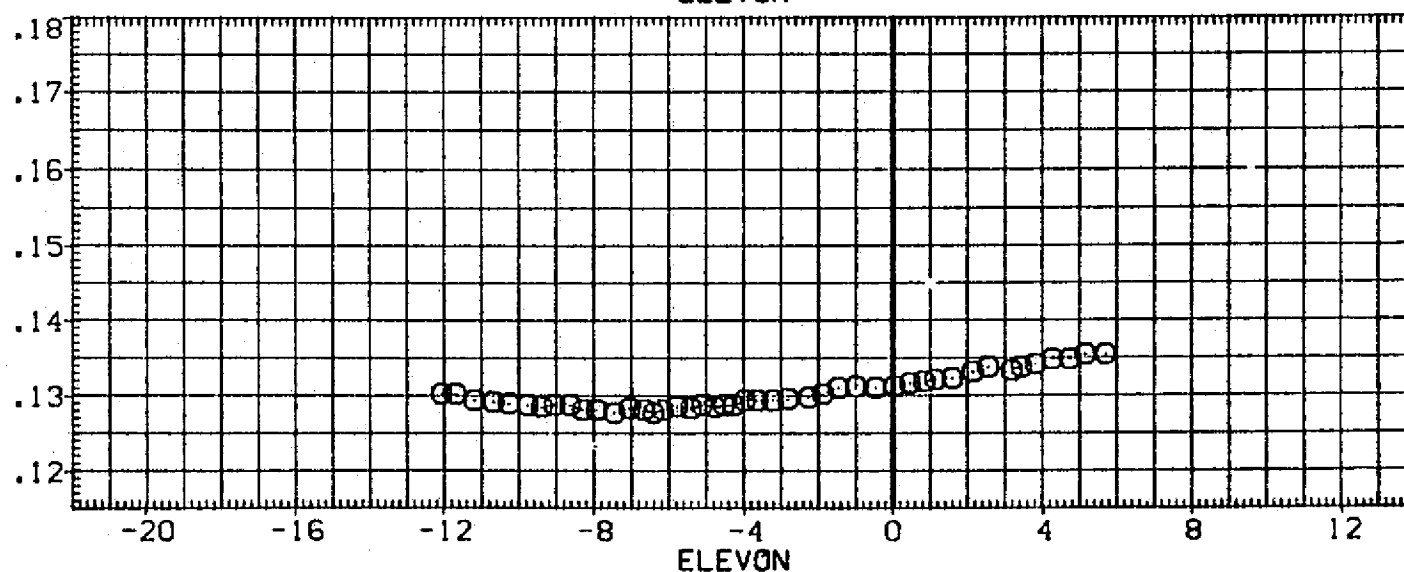
C_zC_y

FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD107)

SYMBOL
○MACH
2.010

PARAMETRIC VALUES	
ALPHA	10.000
SPDRK	55.000
GRITNO	.000
BETA	.000
RUDDER	.000

AILRON	.000
RN/L	8.000
RCSPDS	1.000
BDFLAP	.000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

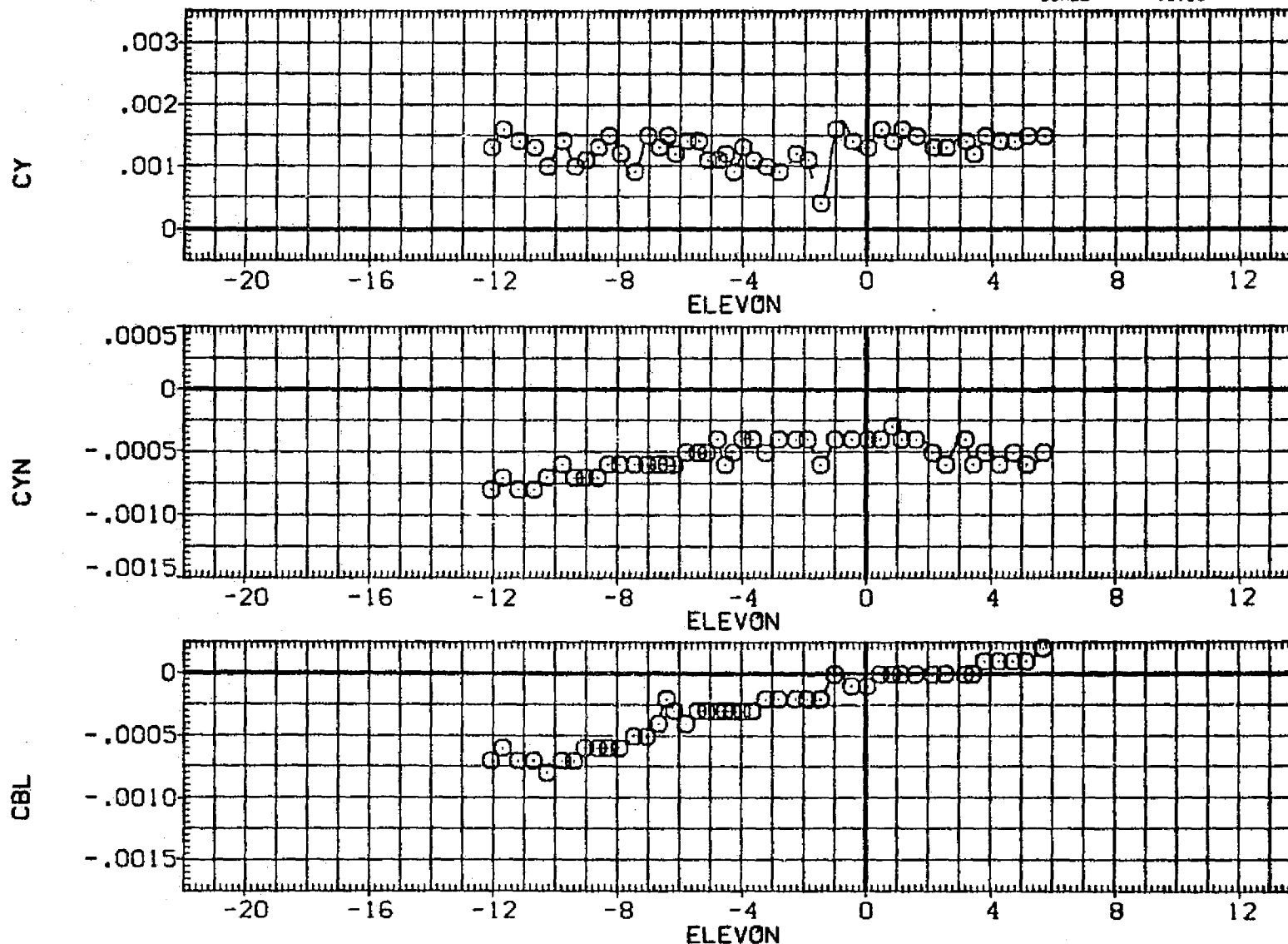


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
OMACH
2.010

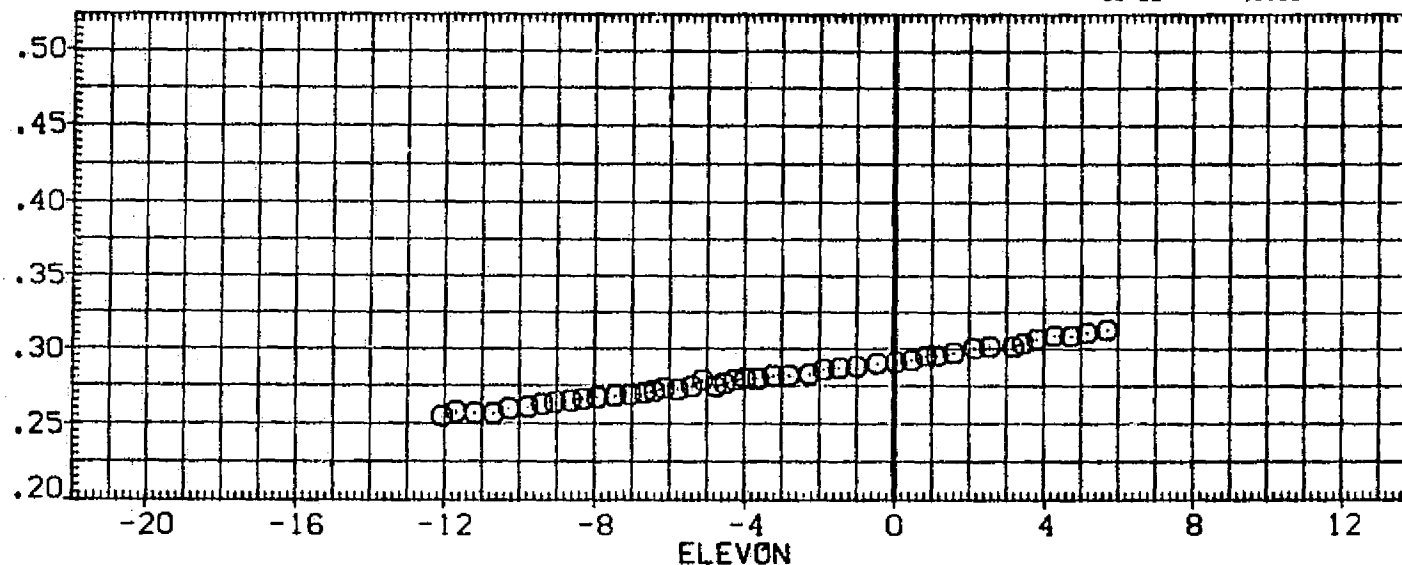
PARAMETRIC VALUES

ALPHA	10.000	AILRON	.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	90.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



CO

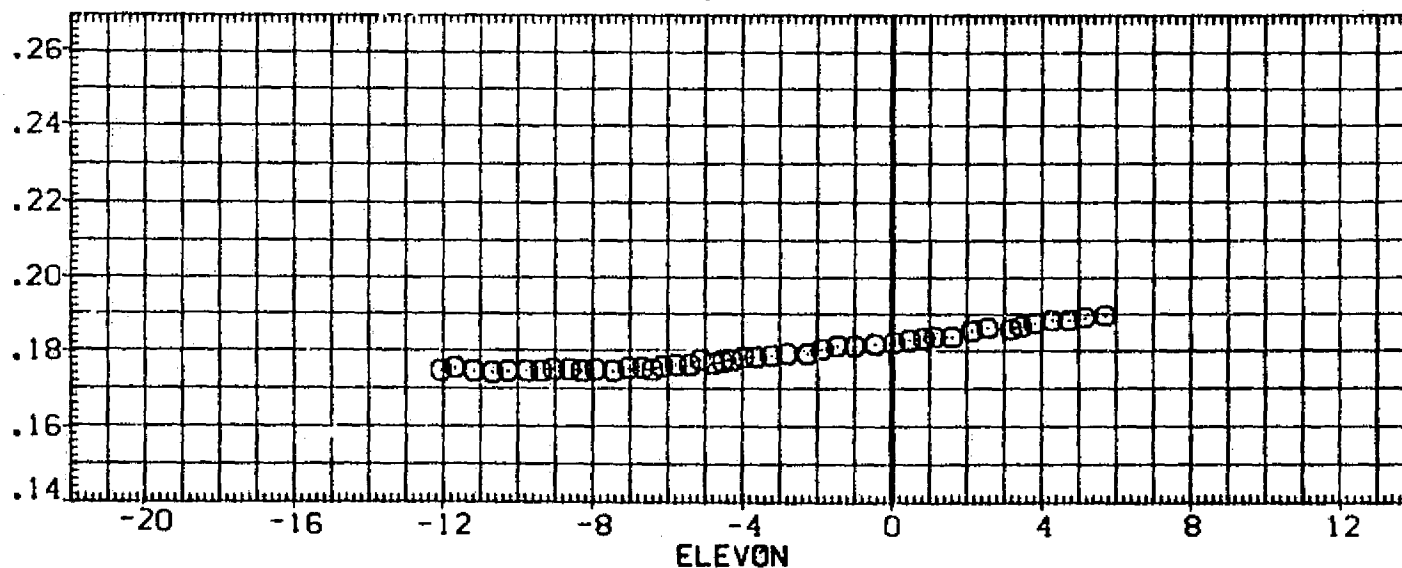


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(3FD107)

SYMBOL
○MACH
2.010

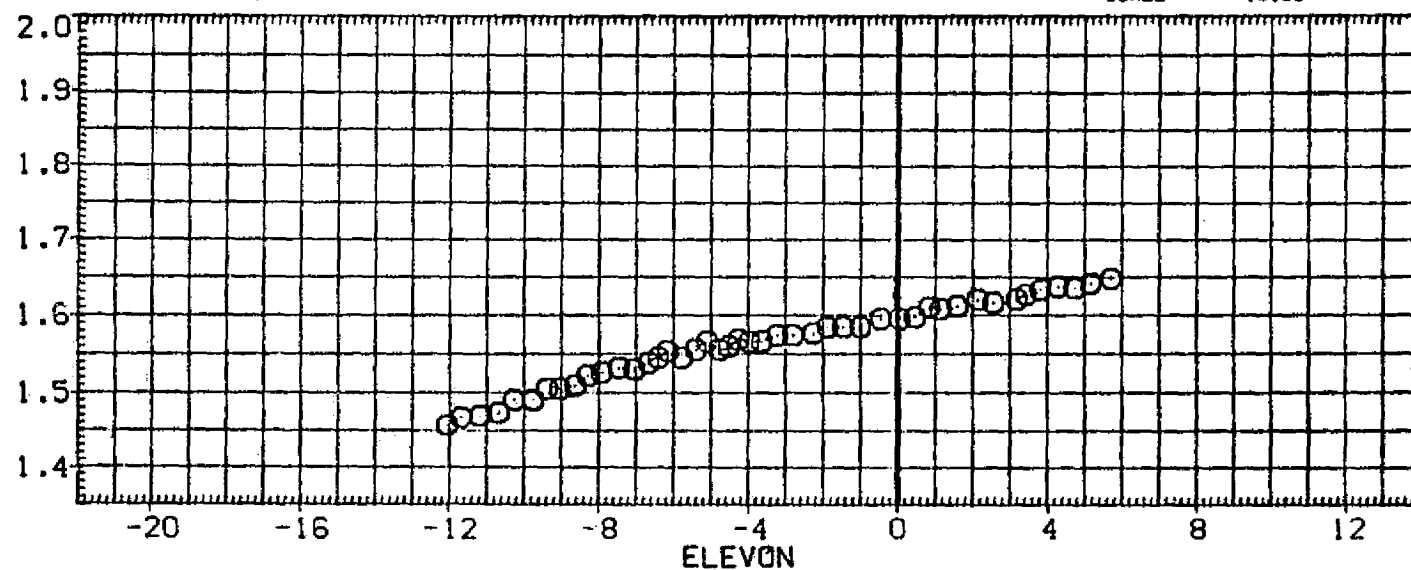
PARAMETRIC VALUES	
ALPHA	10.000
SPOBRK	55.000
GRITNO	.000
BETA	.000
RUDDER	.000

PARAMETRIC VALUES	
AILRON	.000
RN/L	8.000
RCSPQS	1.000
BDFLAP	.000

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

L/D



AILRON

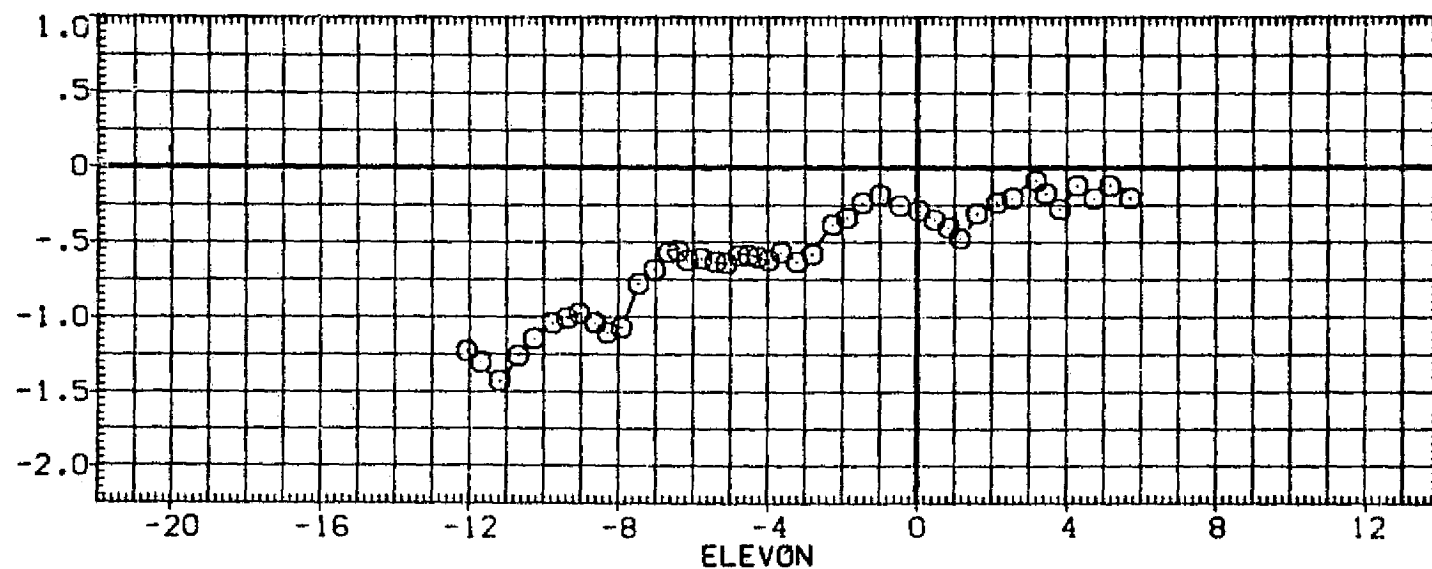


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○MACH
2.990

PARAMETRIC VALUES			
ALPHA	15.000	AILRON	.000
SPOBRK	55.000	RN/L	10.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

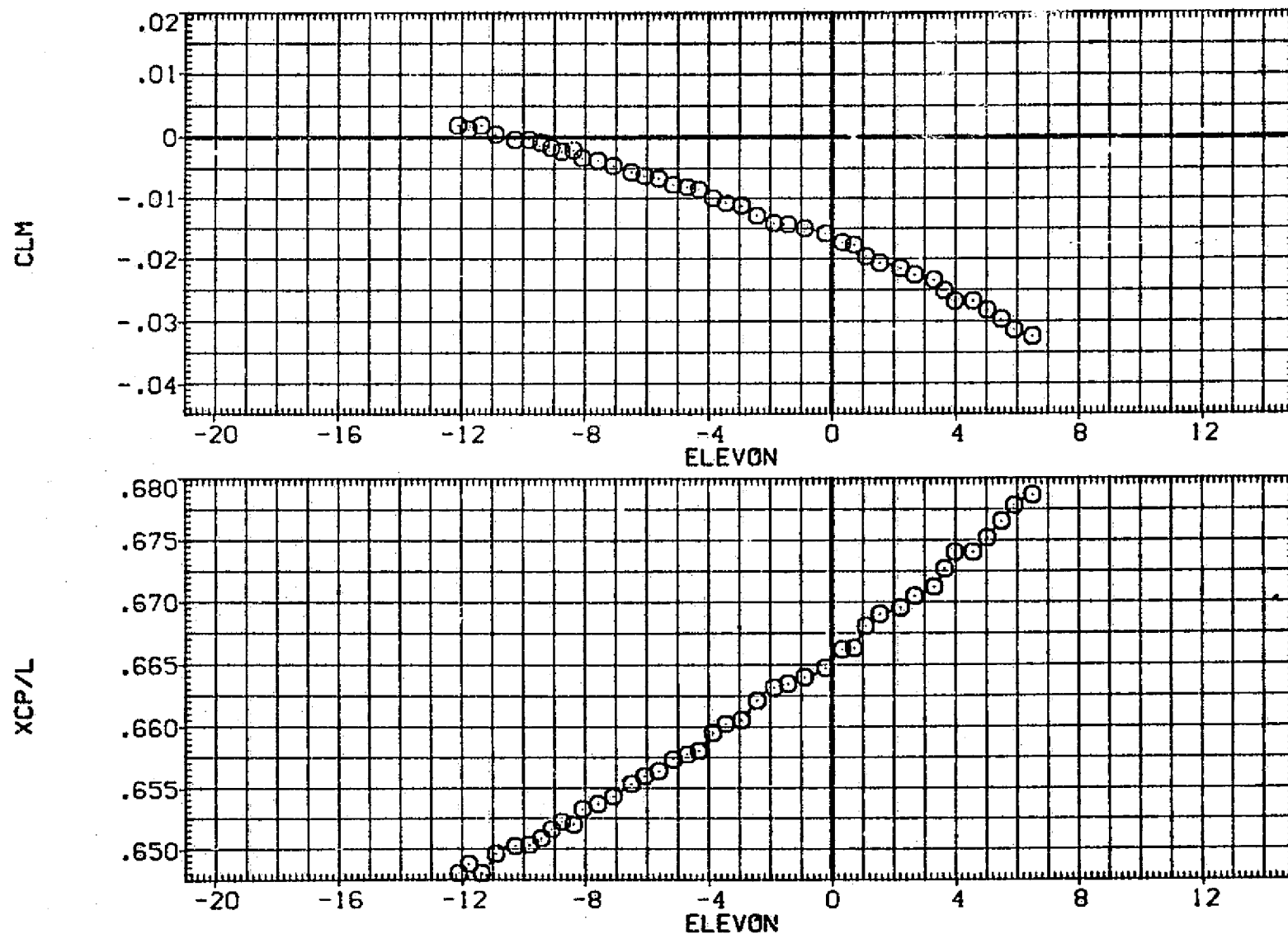


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD108)

SYMBOL
○

MACH

2.990

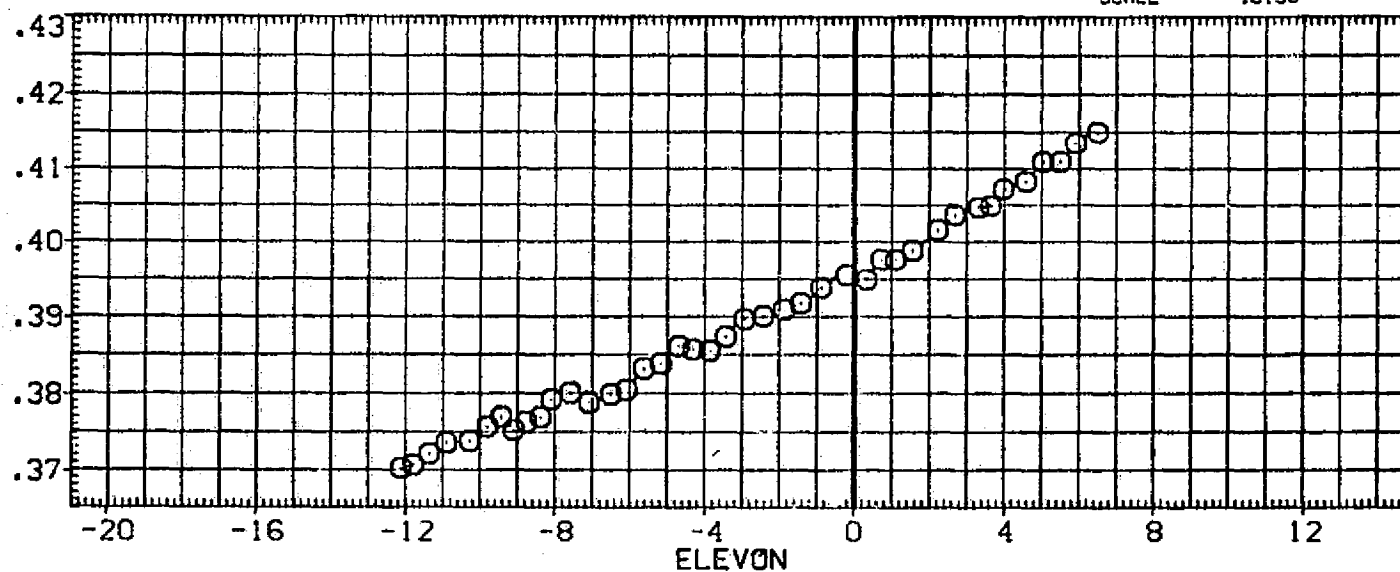
PARAMETRIC VALUES

ALPHA	15.000	AILRON	.000
SPDBRK	55.000	RN/L	10.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	DDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CN



CA

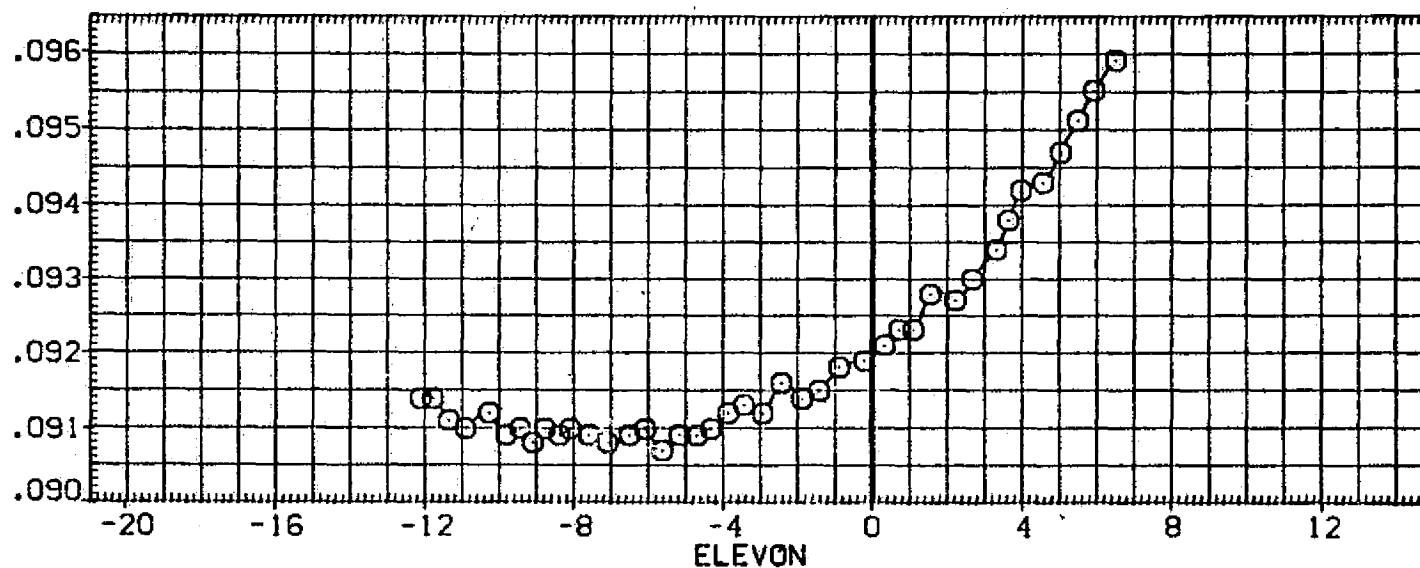


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL

○

MACH

2.990

ALPHA

PARAMETRIC VALUES

15.000

AILRON

.000

SPDBRK

55.000

RN/L

10.000

GRITNO

.000

RCSP05

1.000

BETA

.000

BDFLAP

.000

RUDDER

.000

REFERENCE INFORMATION

SREF

2690.0000

SQ. FT.

LREF

474.8000

INCHES

BREF

936.7000

INCHES

XMRP

1076.7000

IN. X0

YMRP

.0000

IN. Y0

ZMRP

375.0000

IN. Z0

SCALE

.0150

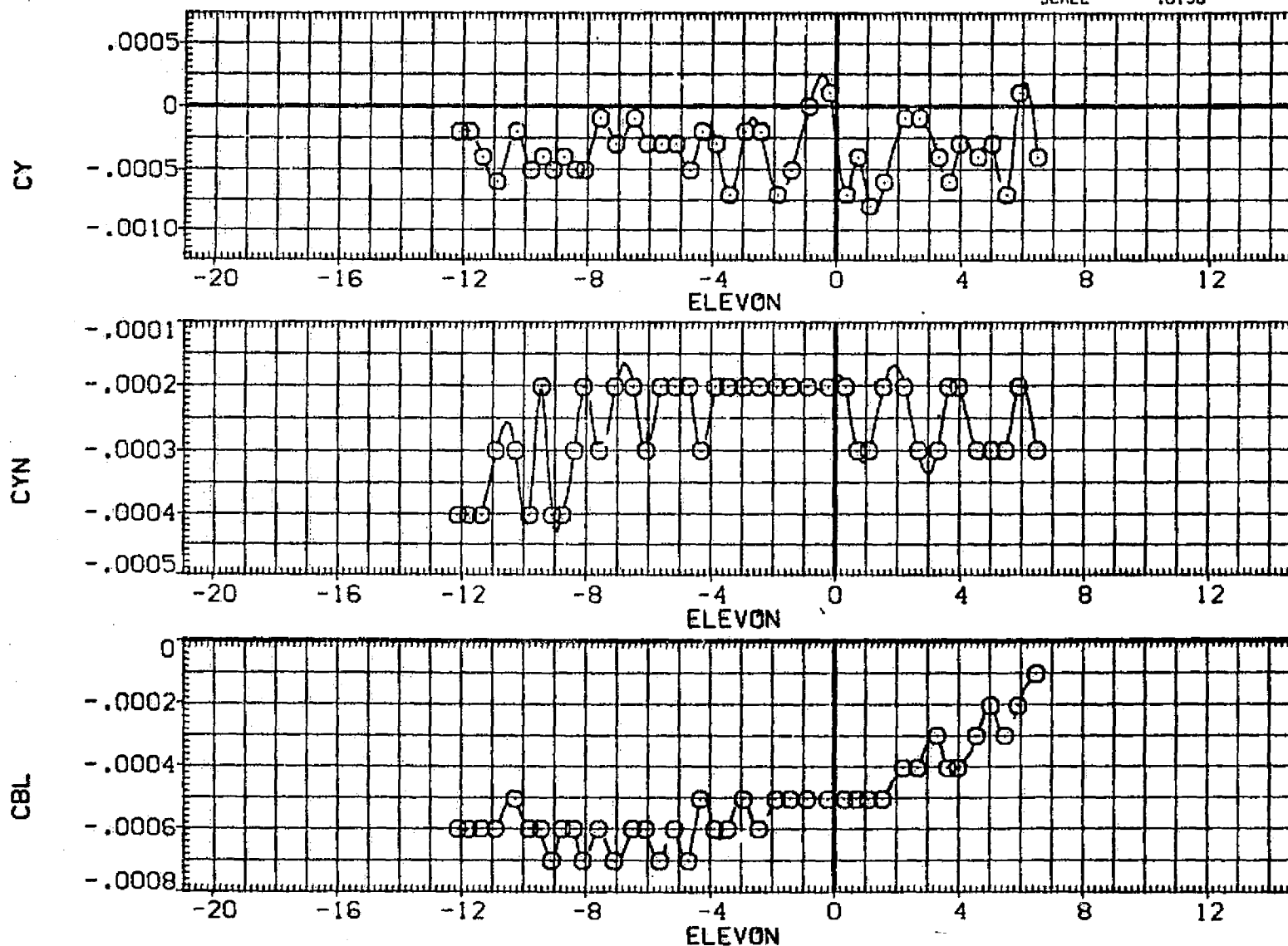


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD108)

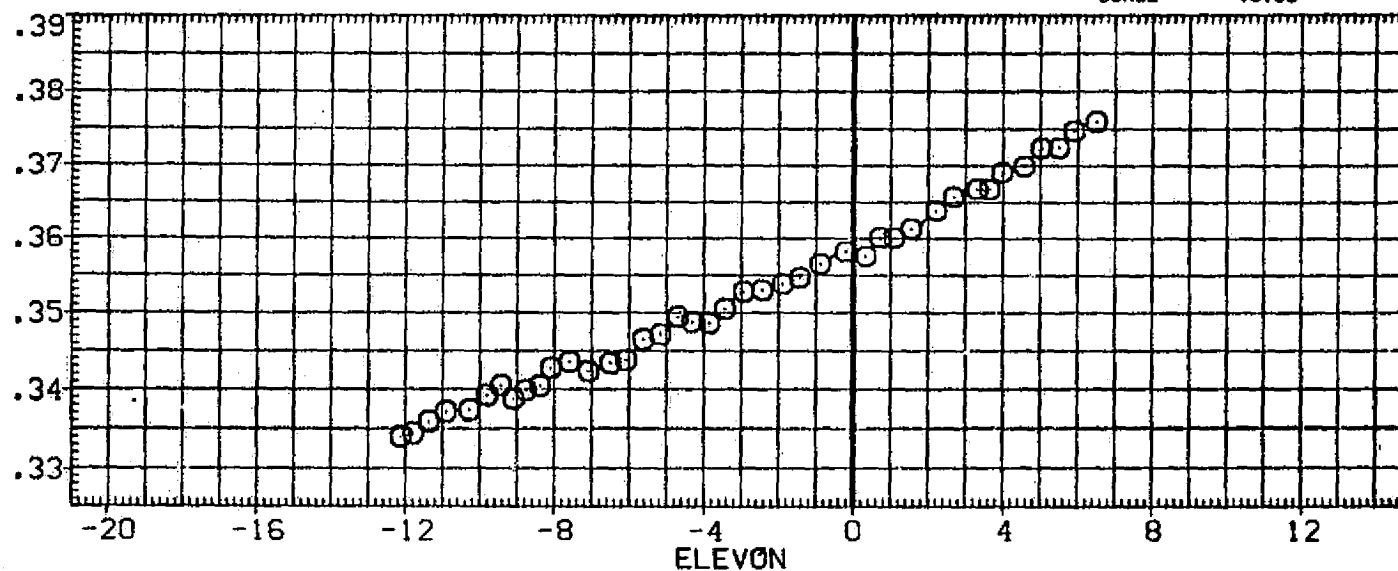
SYMBOL
○

MACH	PARAMETRIC VALUES			
2.990	ALPHA	15.000	ATLRON	.000
	SPDBRK	55.000	RN/L	10.000
	GRITND	.000	RCSPQS	1.000
	BETA	.000	BDFLAP	.000
	RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



CD

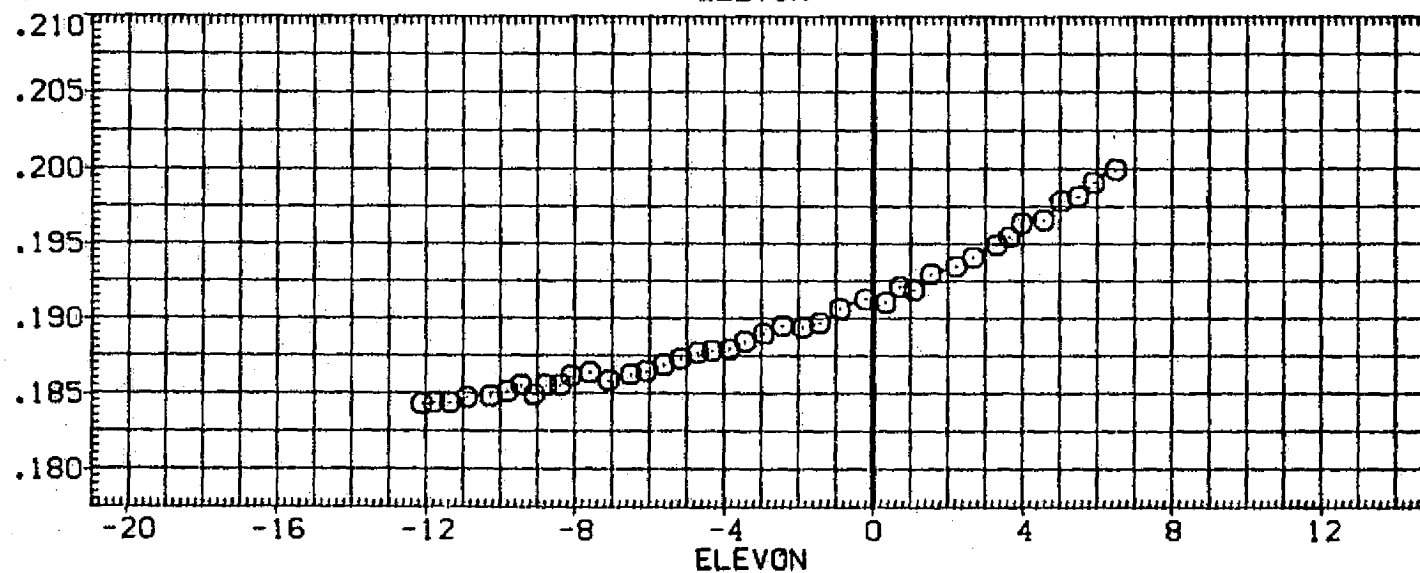


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○MACH
2.990

PARAMETRIC VALUES			
ALPHA	15.000	AILRON	.000
SPDBRK	55.000	RN/L	10.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

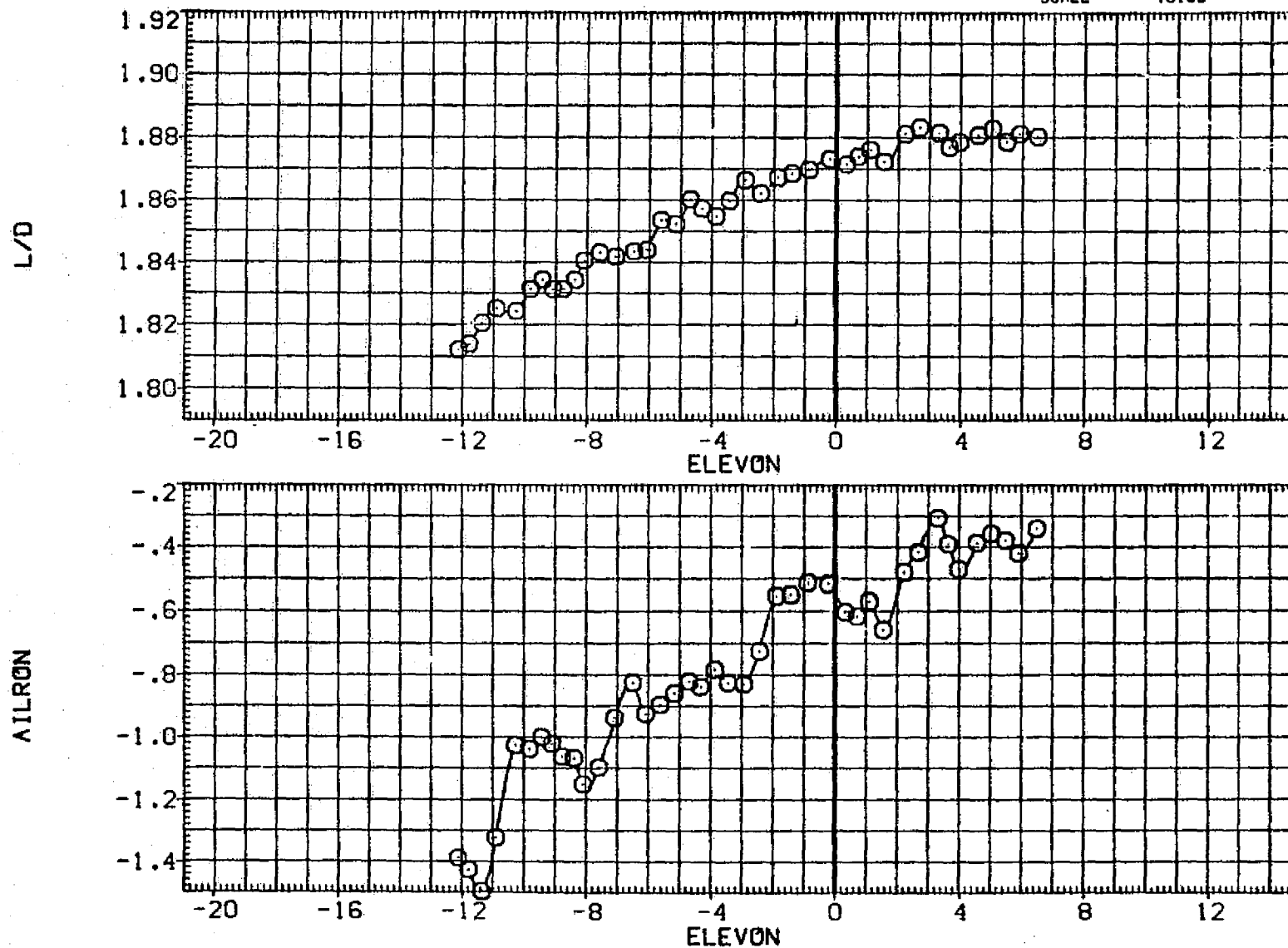


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD105)

SYMBOL
○MACH
4.591

PARAMETRIC VALUES			
ALPHA	.000	ATLRON	.000
SPOBRK	55.000	RN/L	16.000
GRITNO	.000	RCSP0S	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XHRP	1076.7000	IN. X0
YHRP	.0000	IN. Y0
ZHRP	375.0000	IN. Z0
SCALE	.0150	

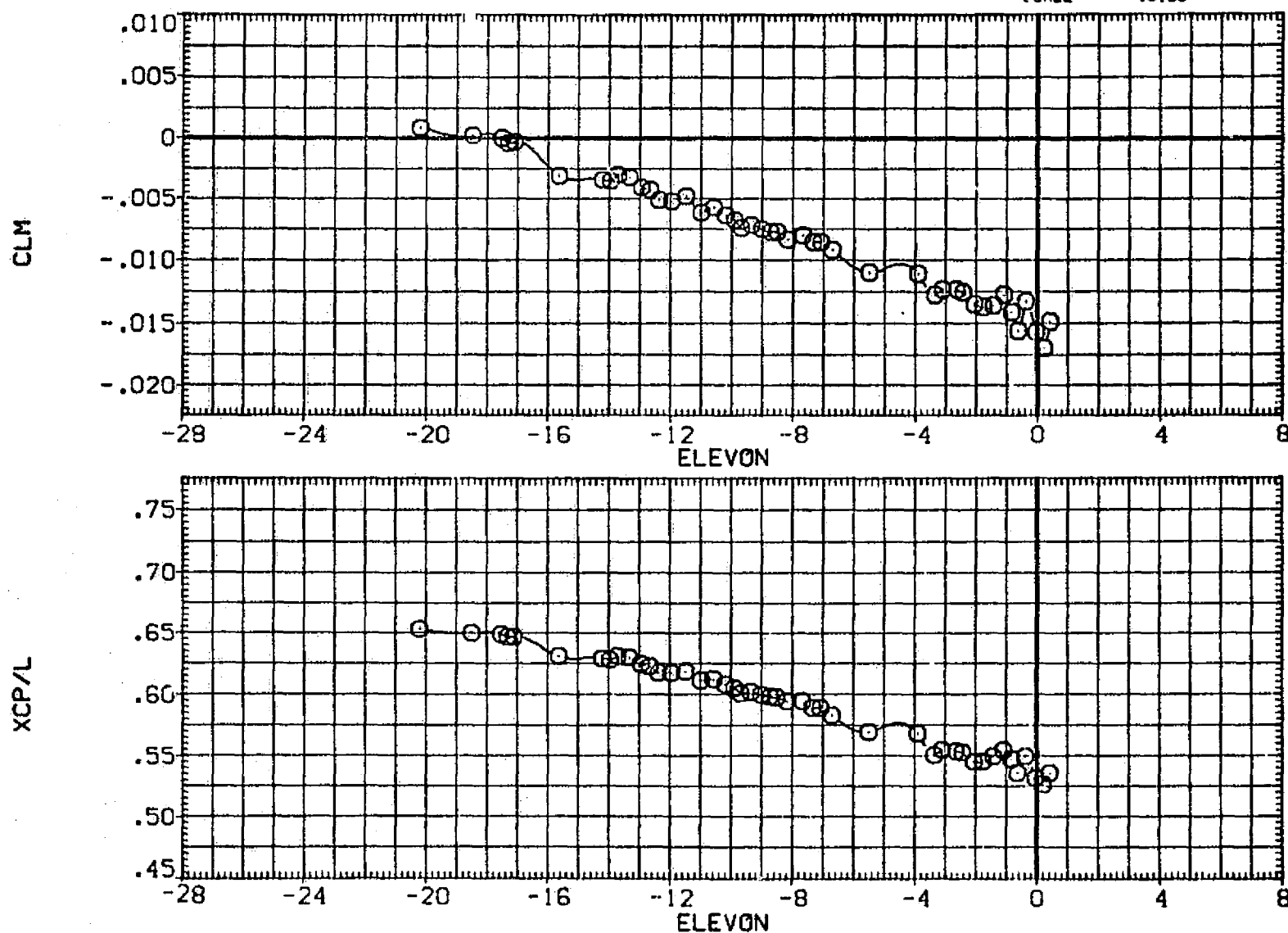


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.391	ALPHA	.000	AILRON	.000
		SPDBRK	55.000	RN/L	16.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

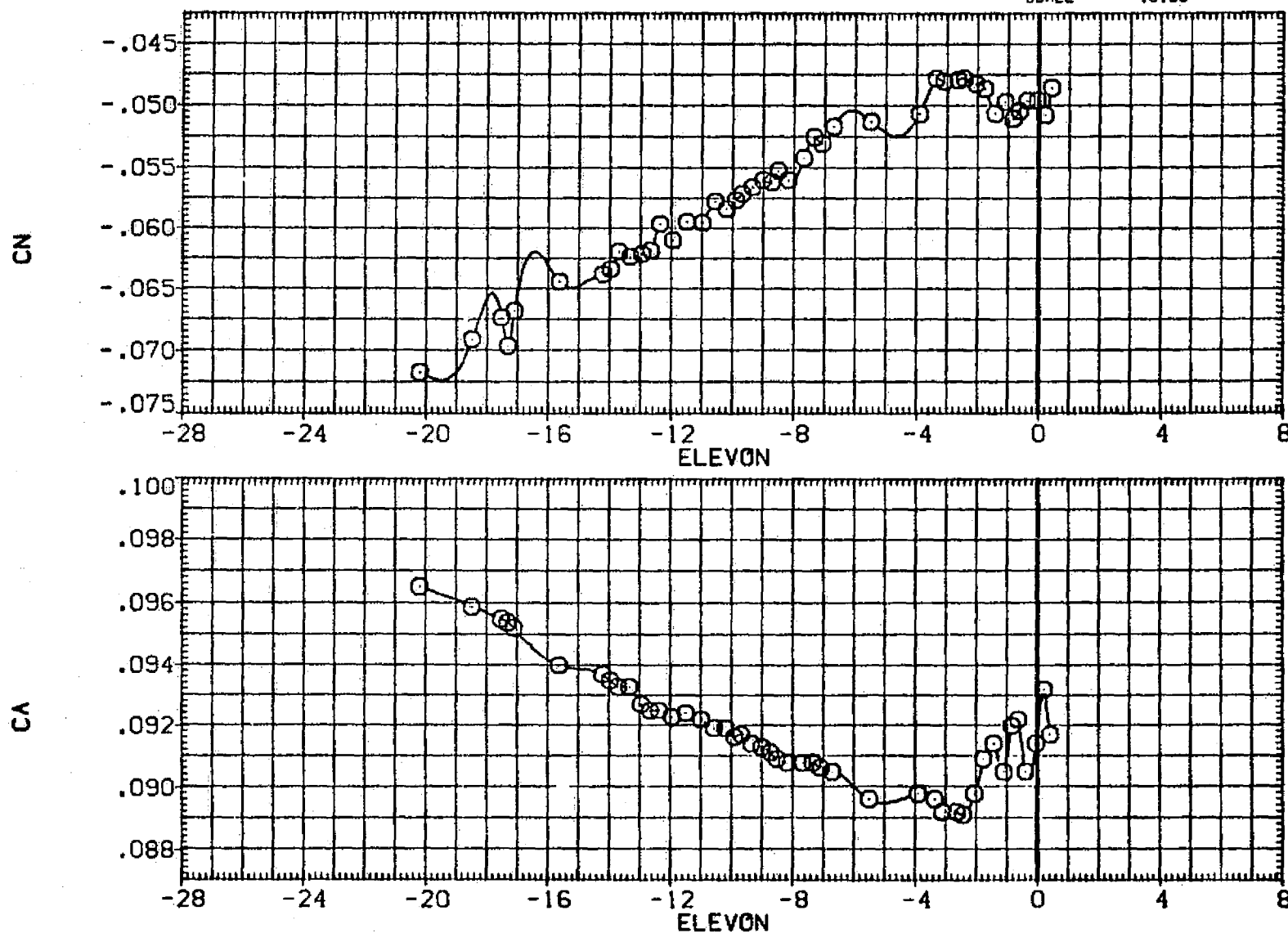


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD105)

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	.000	AILRON	.000
		SPDBRK	55.000	RN/.	16.000
		GRITNO	.000	RCSPOS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.6000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

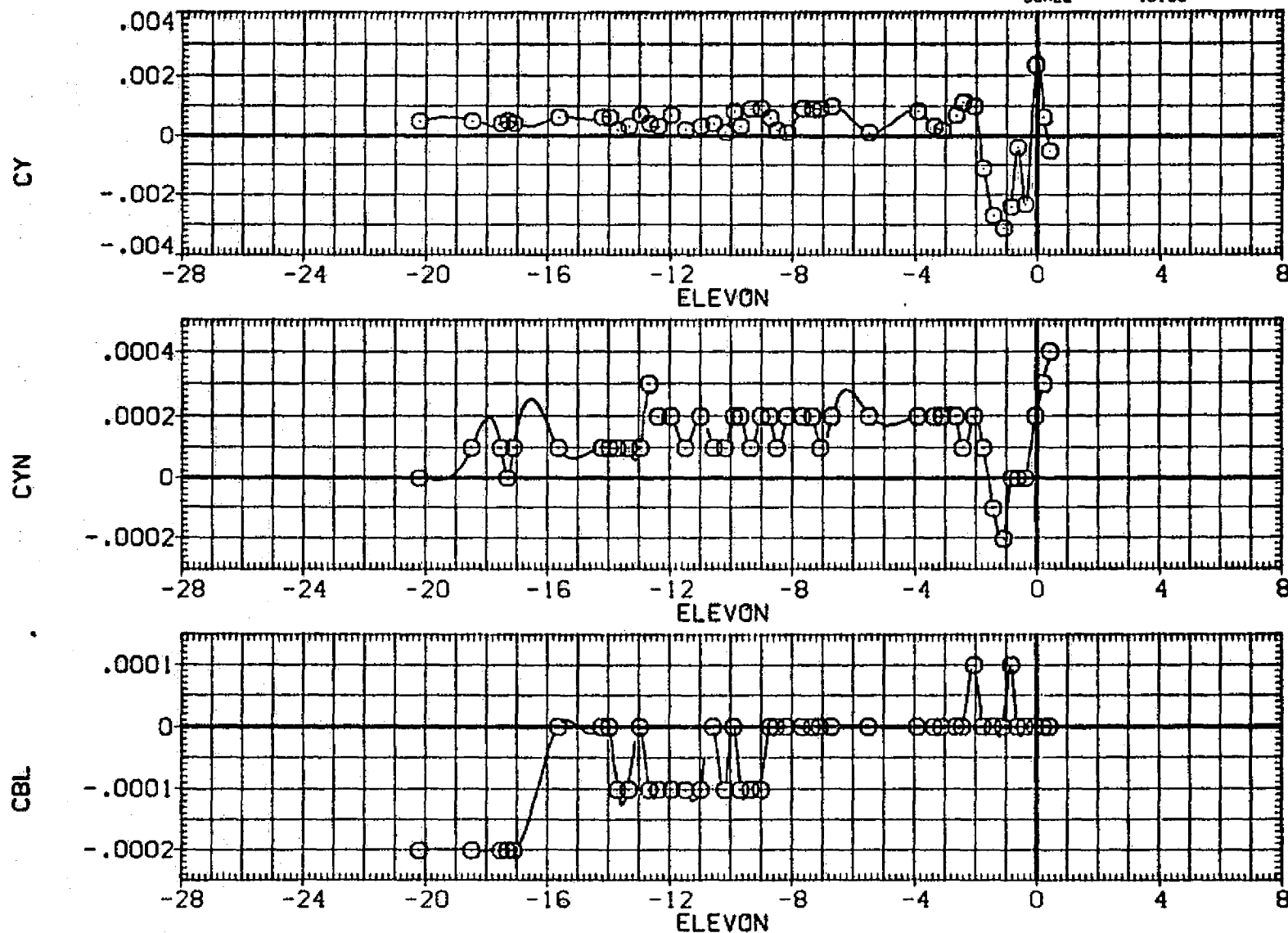


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○MACH
4.591

PARAMETRIC VALUES

ALPHA	.000	AILRON	.000
SPOBRK	55.000	RN/L	16.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	90.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

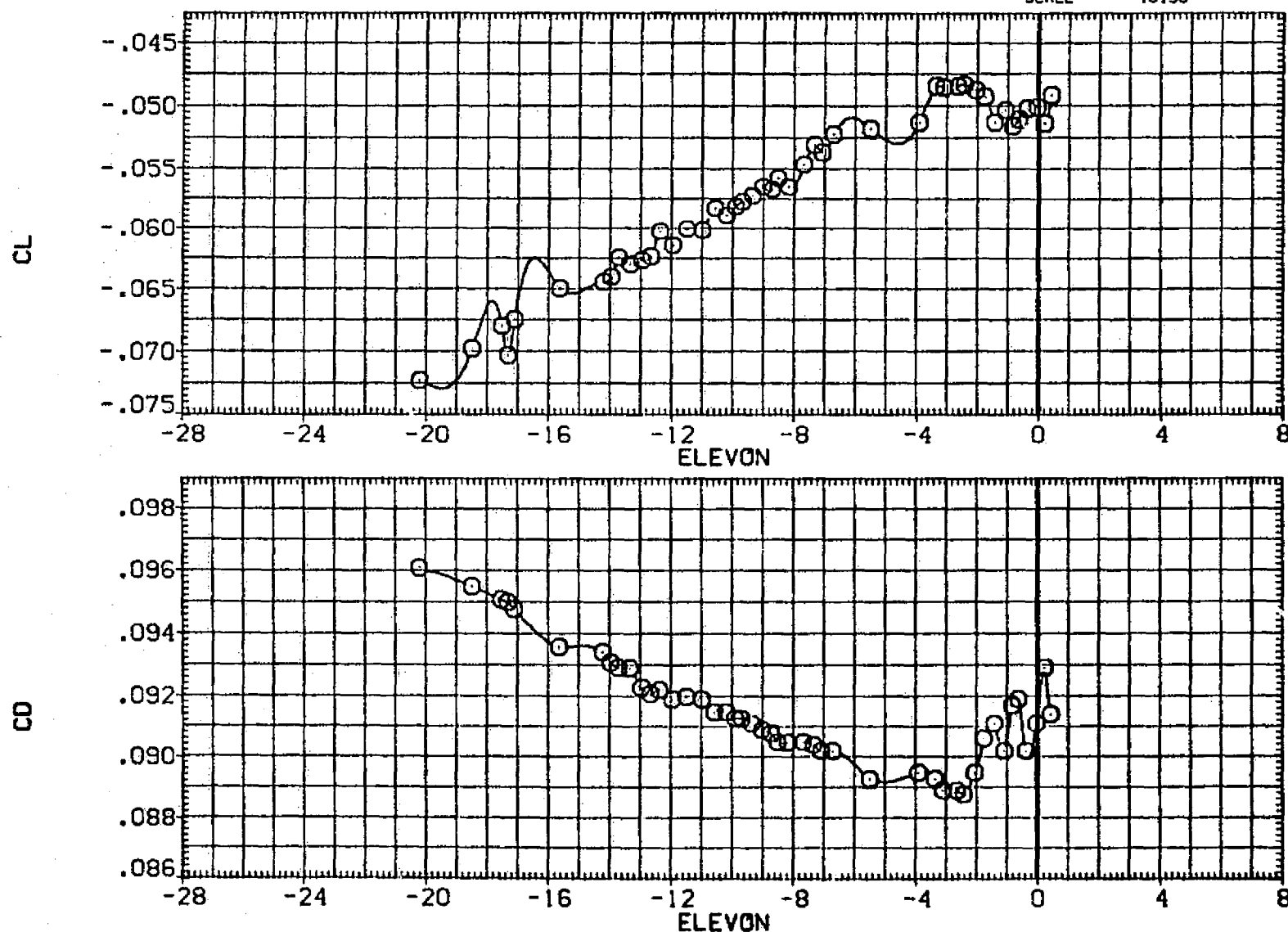


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD105)

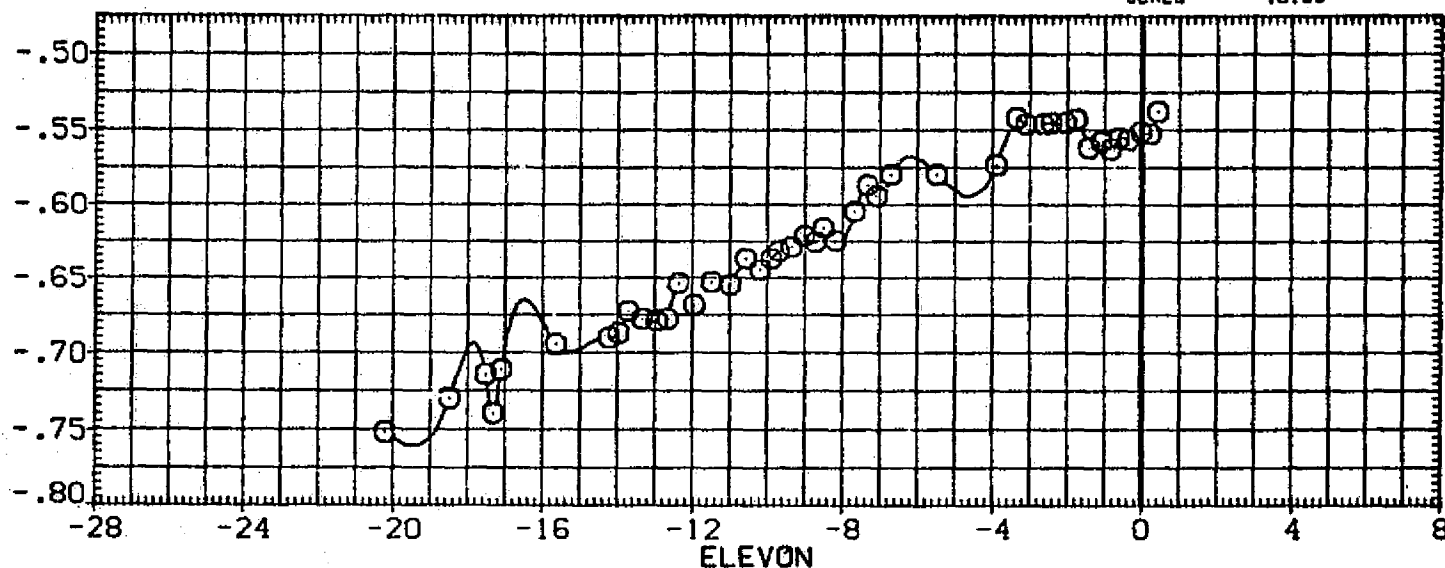
SYMBOL
○MACH
4.591

PARAMETRIC VALUES			
ALPHA	.000	AILRON	.000
SPDBRK	55.000	RN/L	16.000
GRITND	.000	RCSPOS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XHRP	1076.7000	IN. X0
YHRP	.0000	IN. Y0
ZHRP	375.0000	IN. Z0
SCALE	.0150	

L/D



AILRON

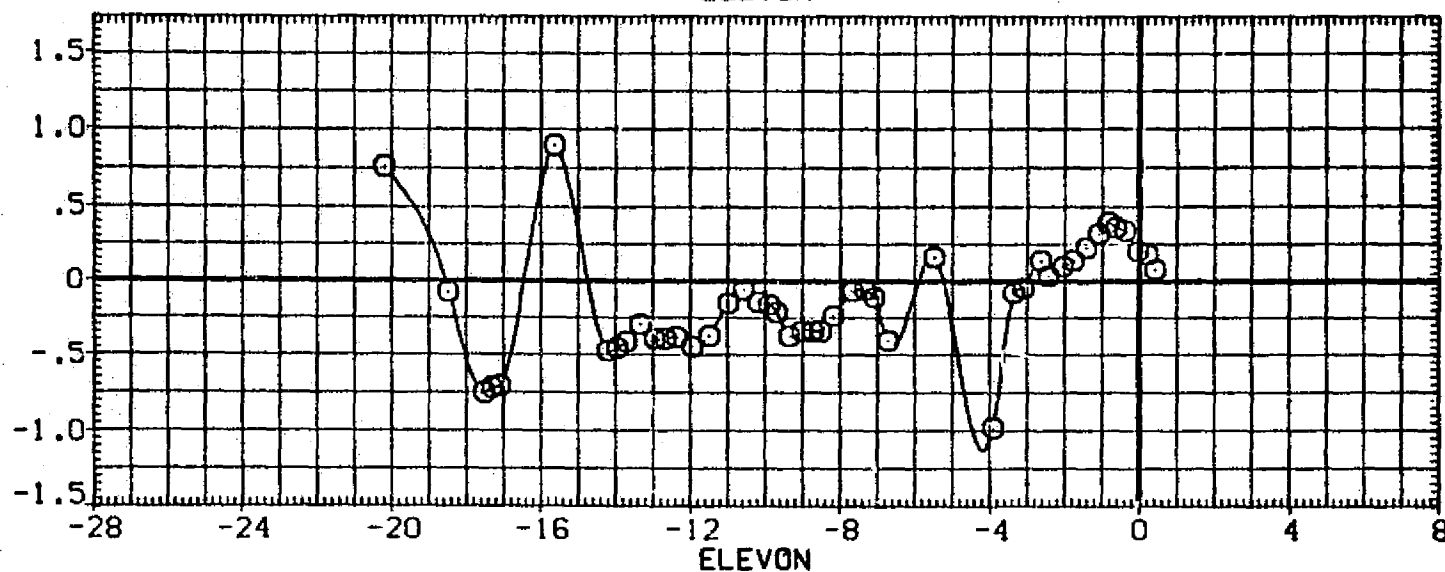


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○MACH
4.591

PARAMETRIC VALUES			
ALPHA	.000	AILRON	.000
SPDBRK	55.000	RN/L	16.000
GRITNO	.000	RC:PBS	1.000
BETA	.000	BD:FLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

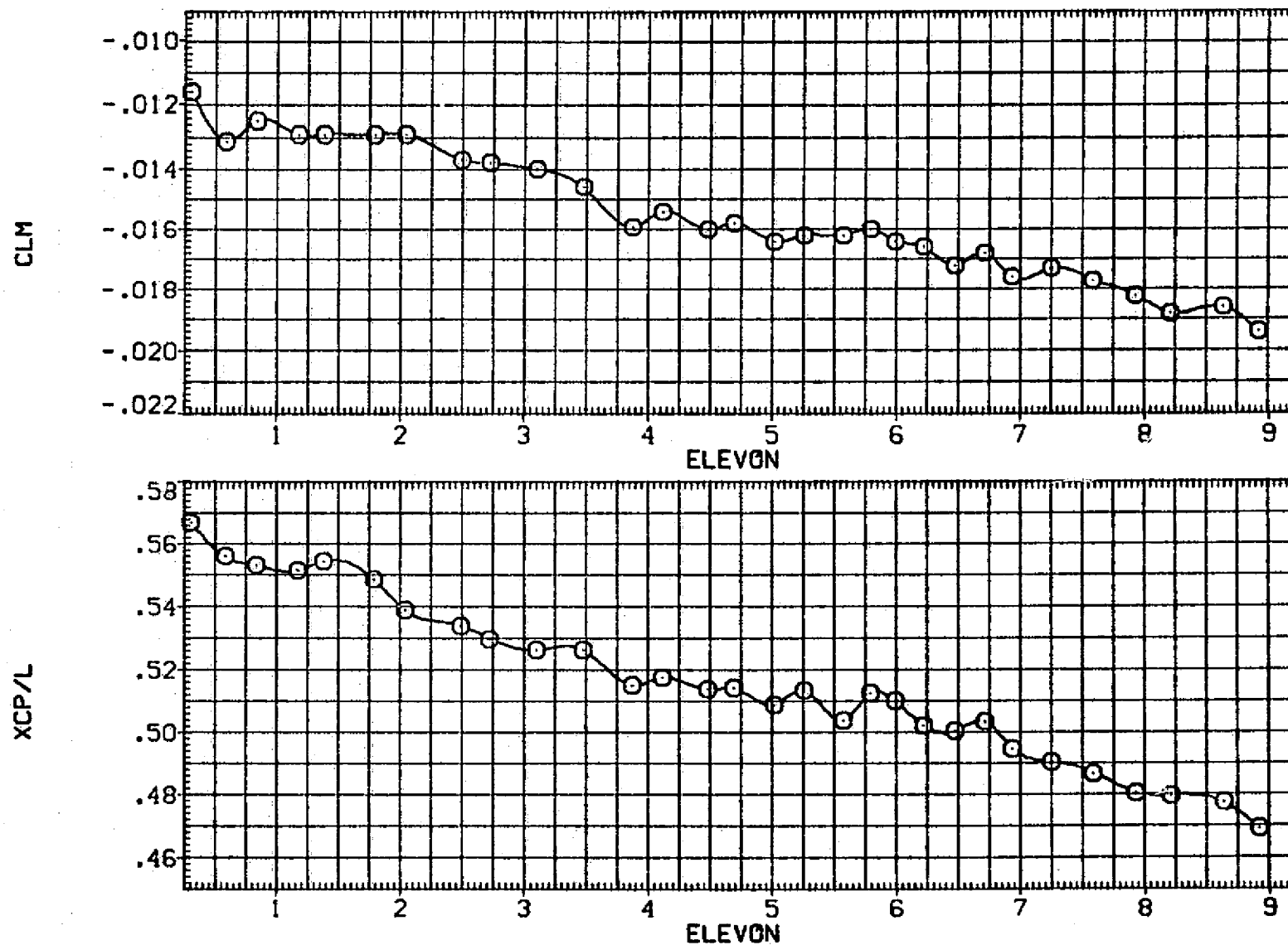


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD106)

SYMBOL
○MACH
4.591

PARAMETRIC VALUES			
ALPHA	.000	AILRON	.000
SPDBRK	55.000	RN/L	16.000
GRITND	.000	RCSPDS	1.000
BETA	.000	BDCLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

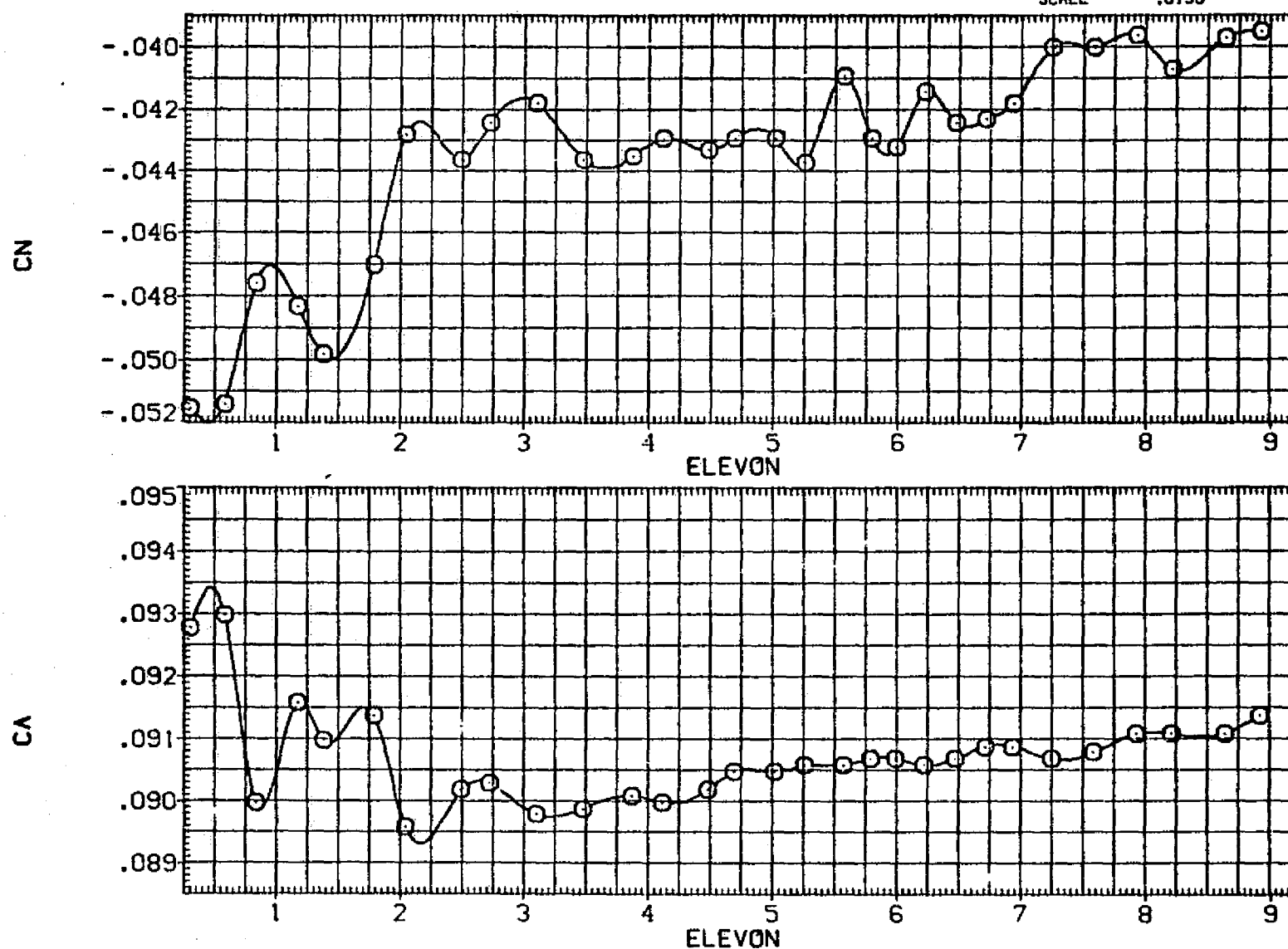


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○MACH
4.591

PARAMETRIC VALUES			
ALPHA	.000	AILRON	.000
SPOBRK	55.000	RN/L	16.000
GRITND	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

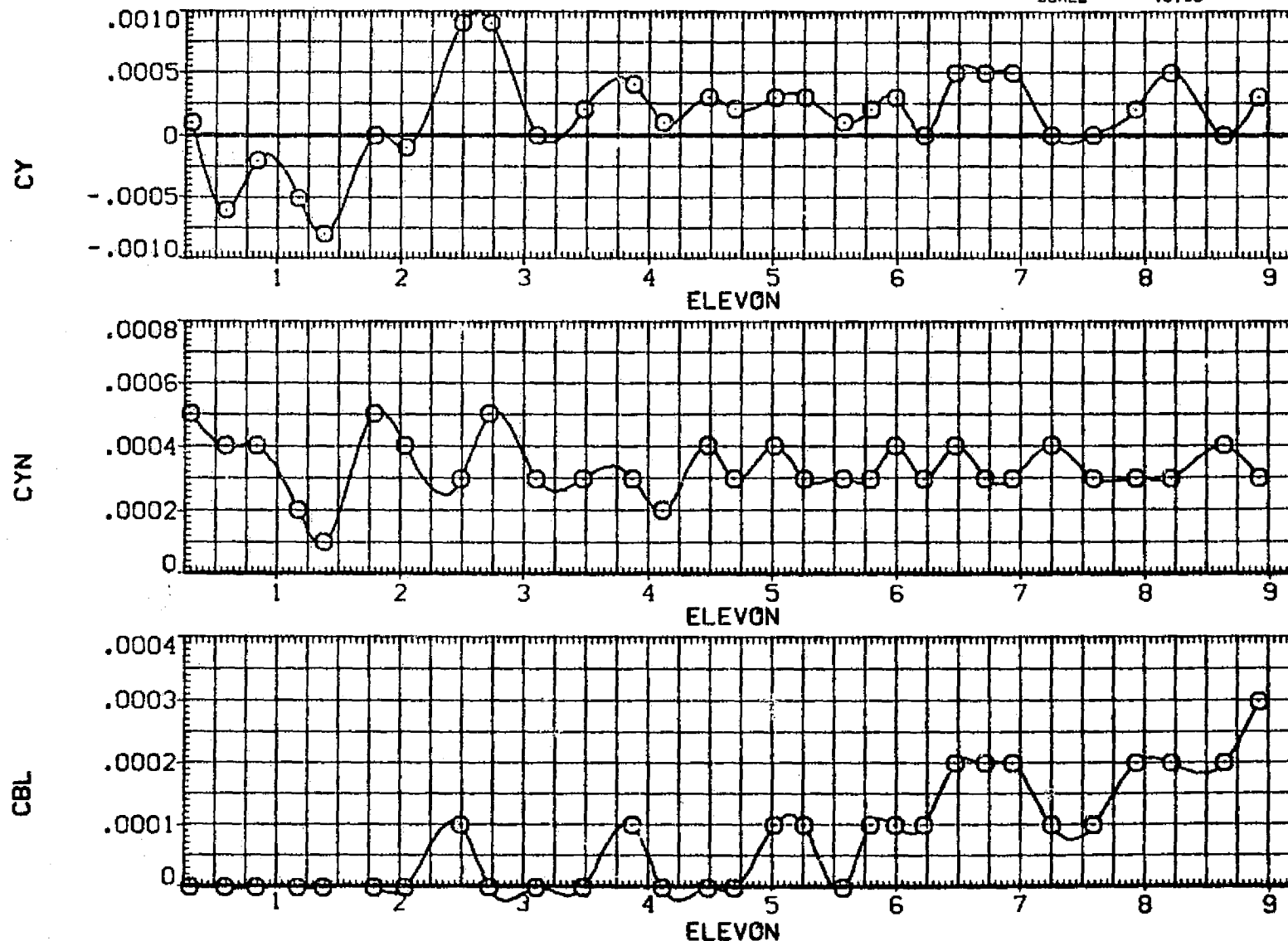


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD106)

SYMBOL

○

MACH

4.591

ALPHA

PARAMETRIC VALUES

SPDBRK

55.000

AILRON

.000

GRITNO

.000

RN/L

16.000

BETA

.000

RCSPDS

1.000

RUDDER

.000

BOFLAP

.000

REFERENCE INFORMATION

SREF

2690.0000

SQ.FT.

LREF

474.8000

INCHES

BREF

936.7000

INCHES

XMRP

1076.7000

IN. X0

YMRP

.0000

IN. Y0

ZMRP

375.0000

IN. Z0

SCALE

.0150

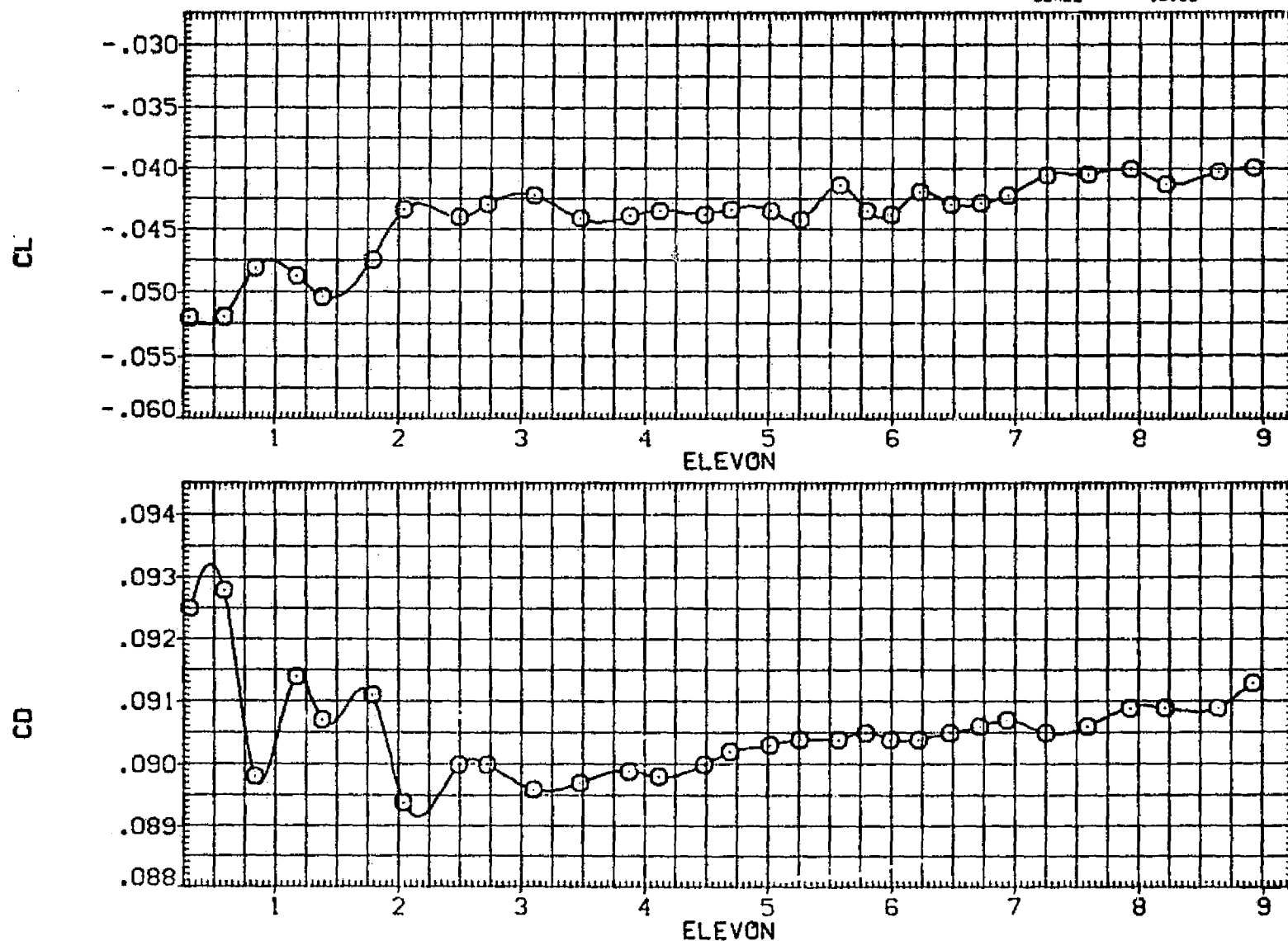


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	4.591	ALPHA	.000	AILRON	.000	SREF	2690.0000	50. FT.
		SPDBRK	55.000	RN/L	16.000	LREF	474.8000	INCHES
		GRITNO	.000	RCSPQS	1.000	BREF	936.7000	INCHES
		BETA	.000	BDFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

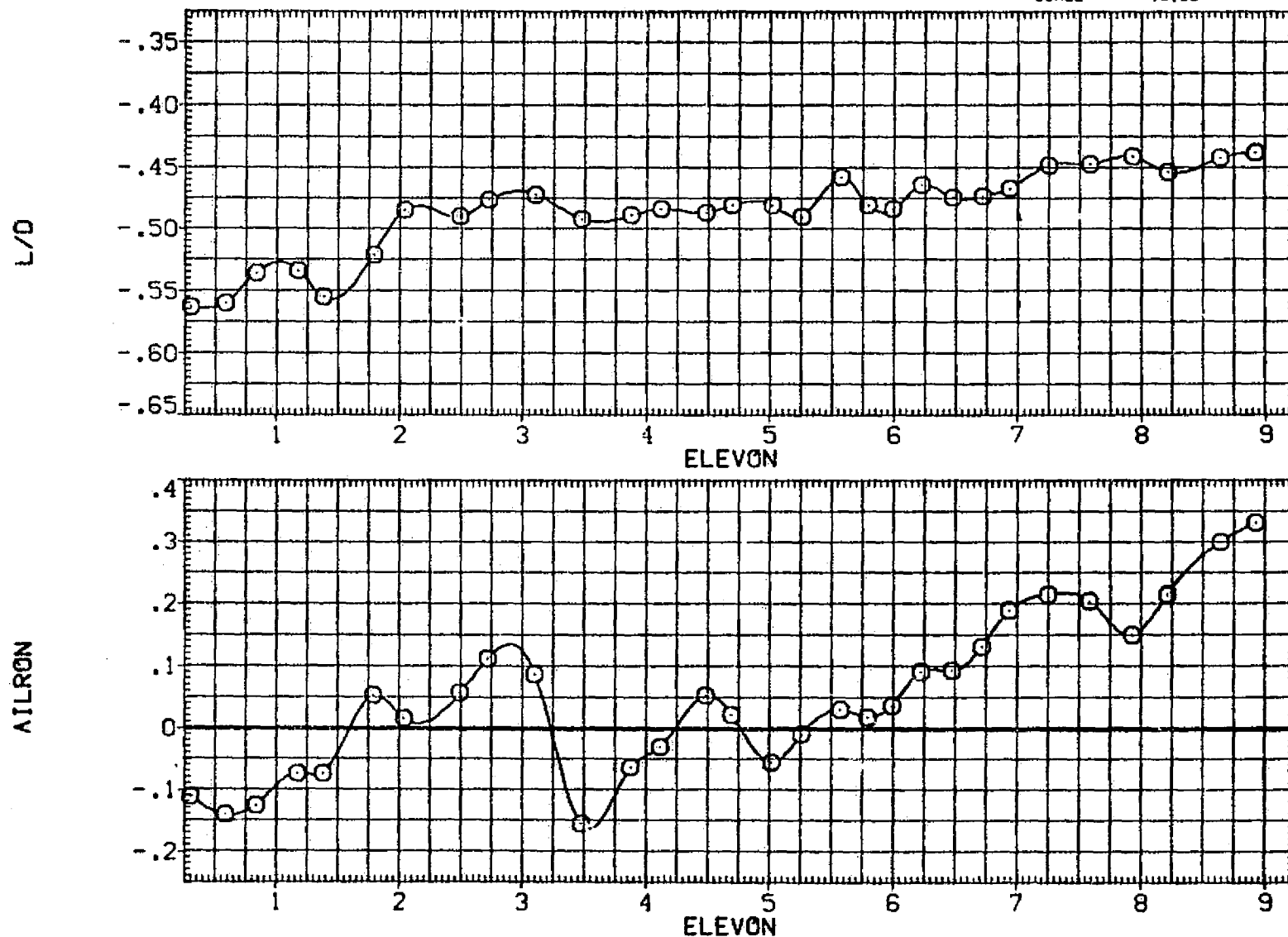


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD109)

SYMBOL
OMACH
4.591

PARAMETRIC VALUES

ALPHA	20.000	AILRON	.000
SPDBRK	55.000	RN/L	16.000
GRITNG	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

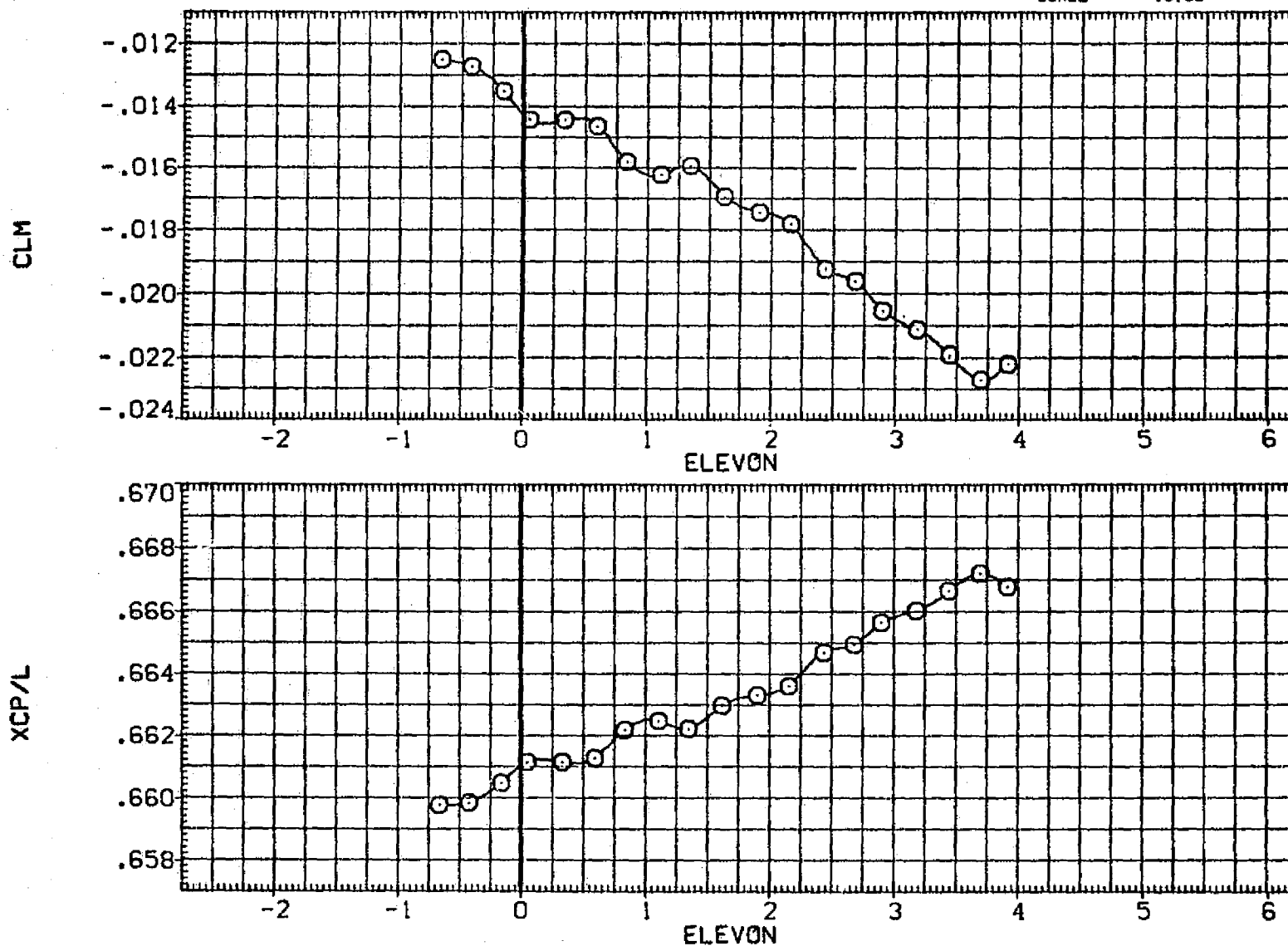


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	20.000	AILRON	.000
		SPDBRK	55.000	RN/L	16.000
		GRITNO	.000	RCSPOS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. 30
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

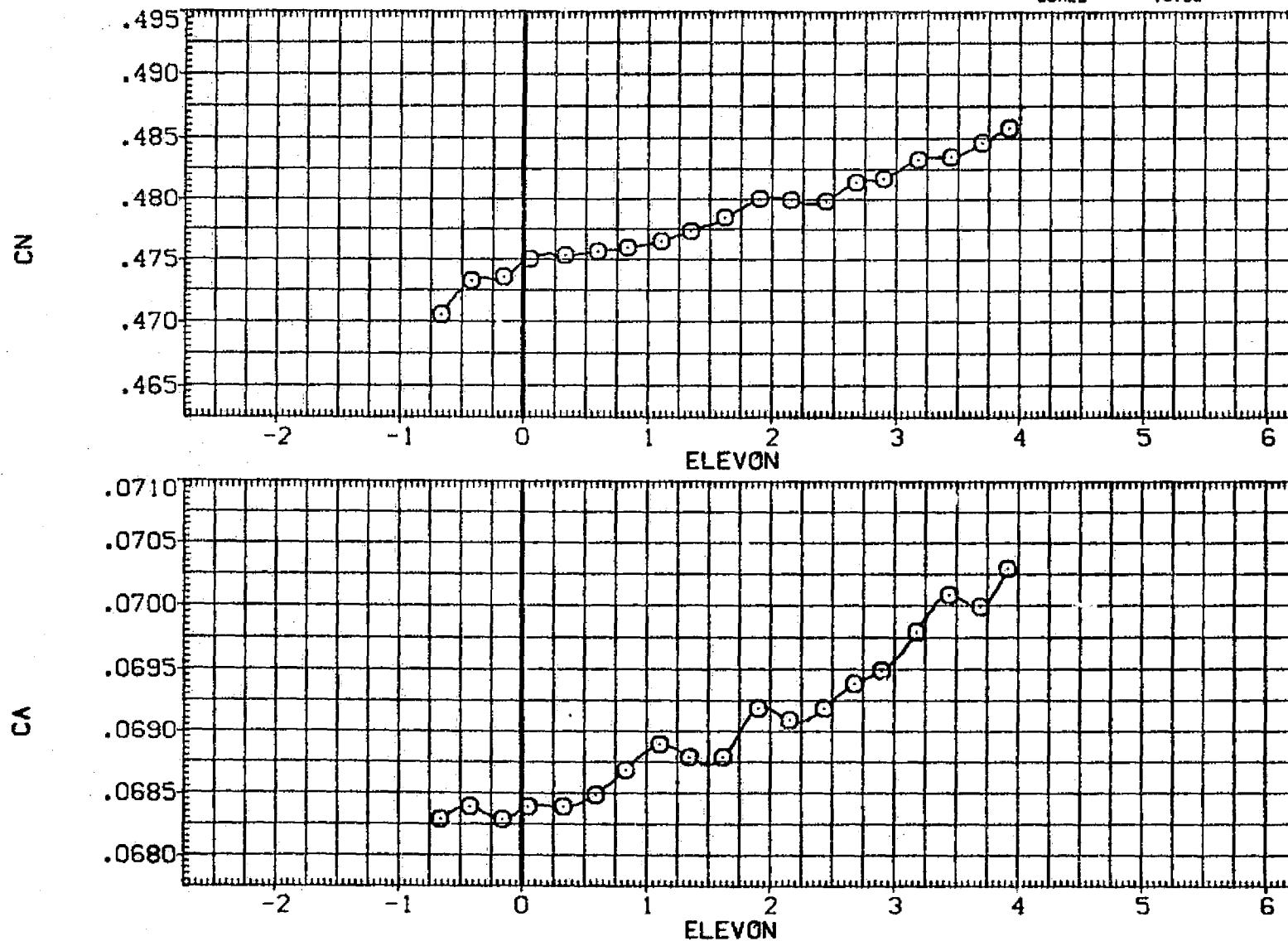


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-G

(AFD109)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	4.591	ALPHA	20.000	AILRON	.000	SREF	2690.0000	SQ.FT.
		SPDBRK	55.000	RN/L	16.000	LREF	474.8000	INCHES
		GRITNO	.000	RCSP05	1.000	BREF	936.7000	INCHES
		BETA	.000	BOFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

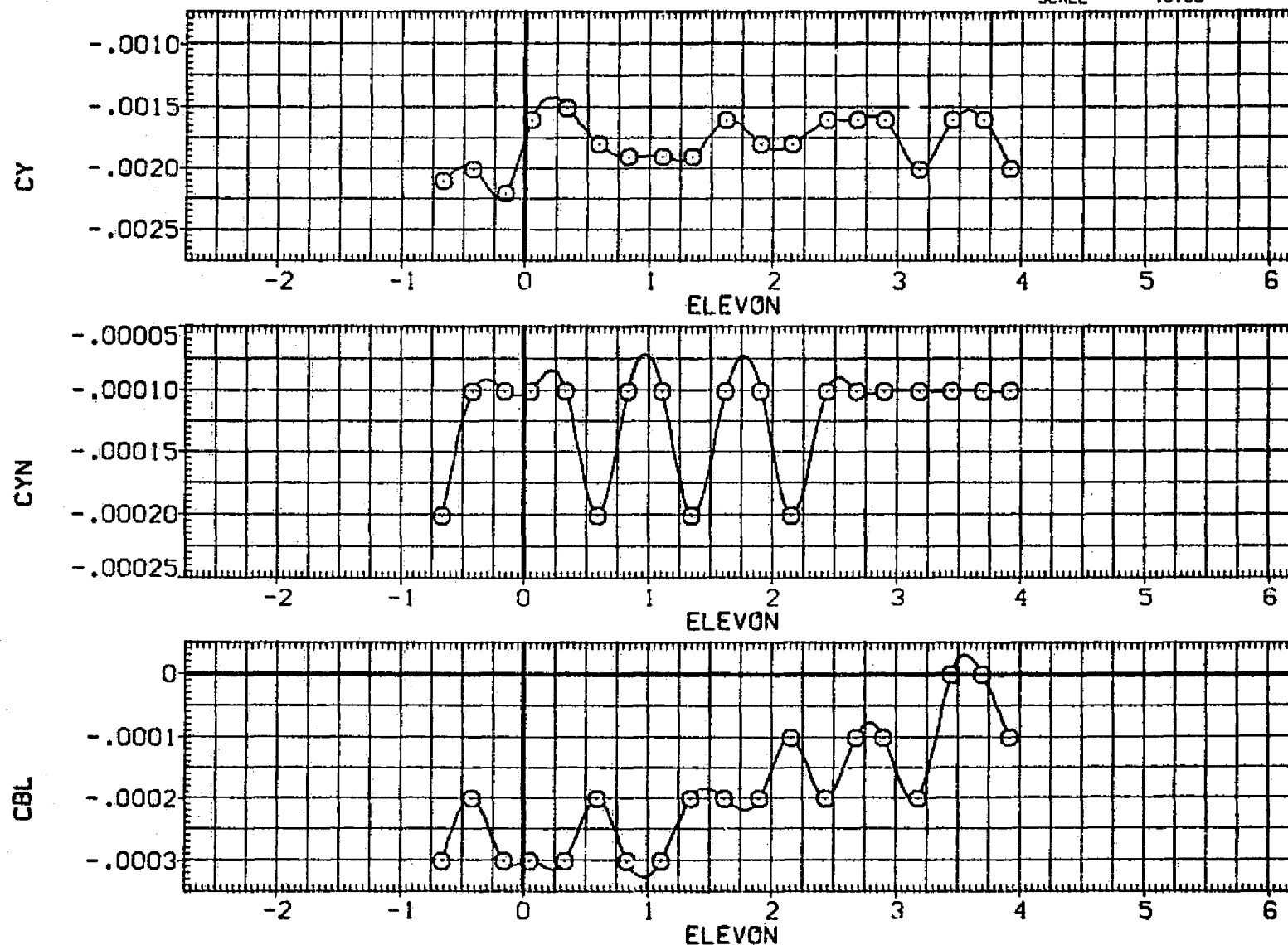


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL
○MACH
4.591

PARAMETRIC VALUES			
ALPHA	20.000	AILRON	.000
SPDBRK	55.000	RN/L	16.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

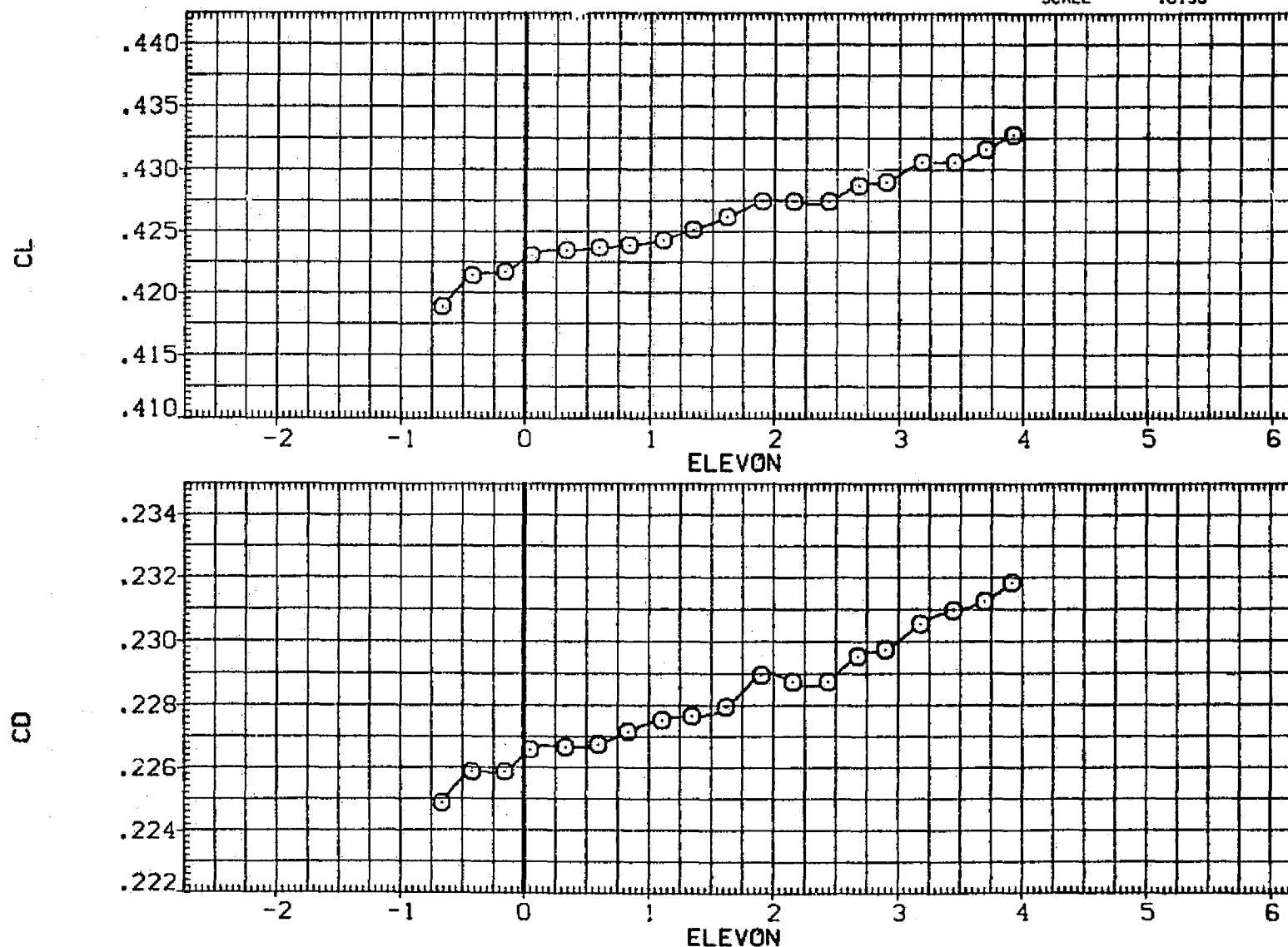


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD109)

SYMBOL
○

MACH
4.591

PARAMETRIC VALUES			
ALPHA	20.000	AILRON	.000
SPOBRK	55.000	RN/L	16.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

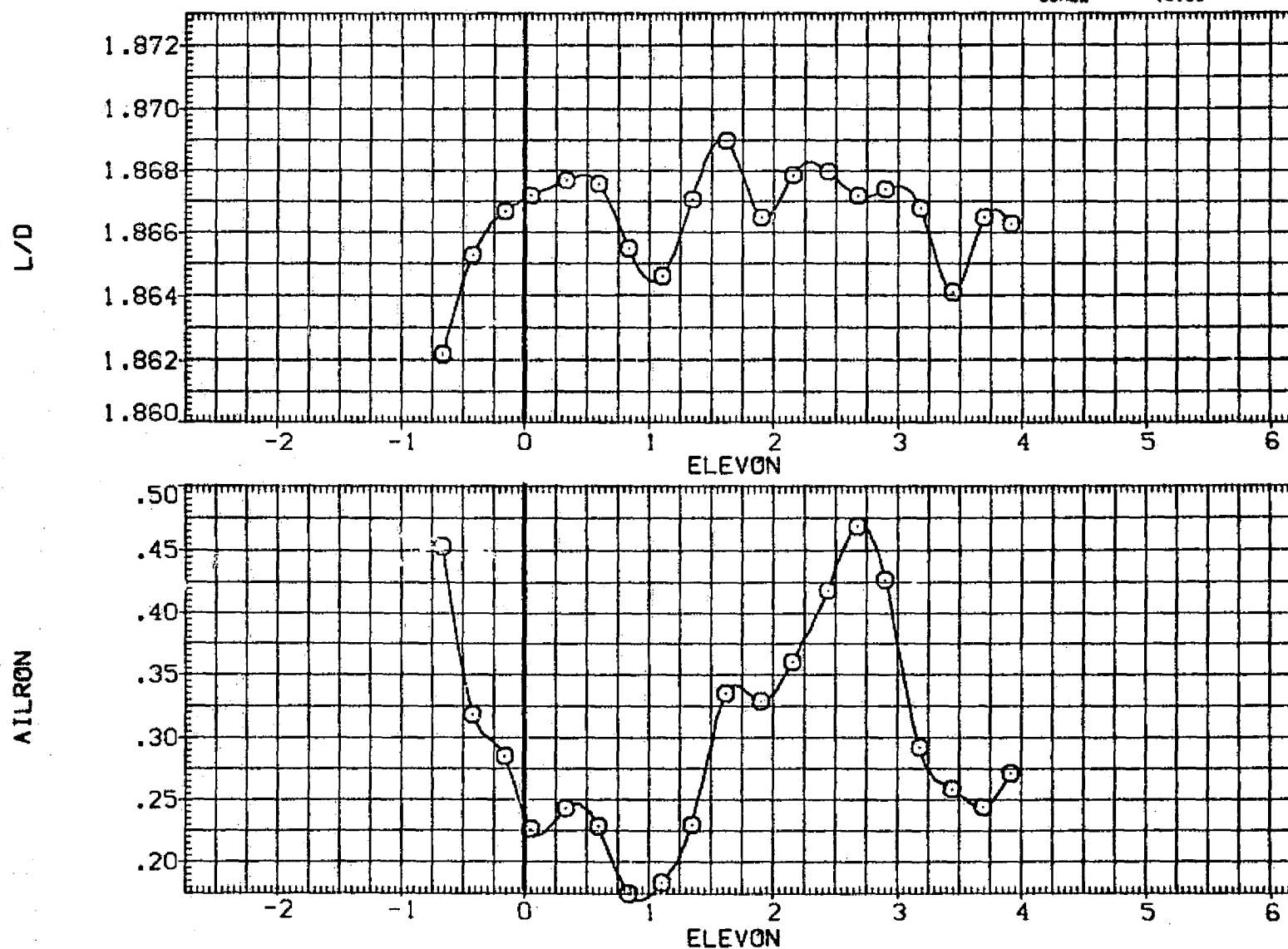


FIG. 16 ELEVON EFFECTIVENESS FOR ELEVON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	.599	ALPHA	6.000	ELEVON	.000
		SPDRK	25.000	RN/L	5.000
		GRITNO	120.000	RCSPQS	.000
		BETA	.000	BOFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMHP	1076.7000	IN. X0
YMHP	.0000	IN. Y0
ZMHP	375.0000	IN. Z0
SCALE	.0150	

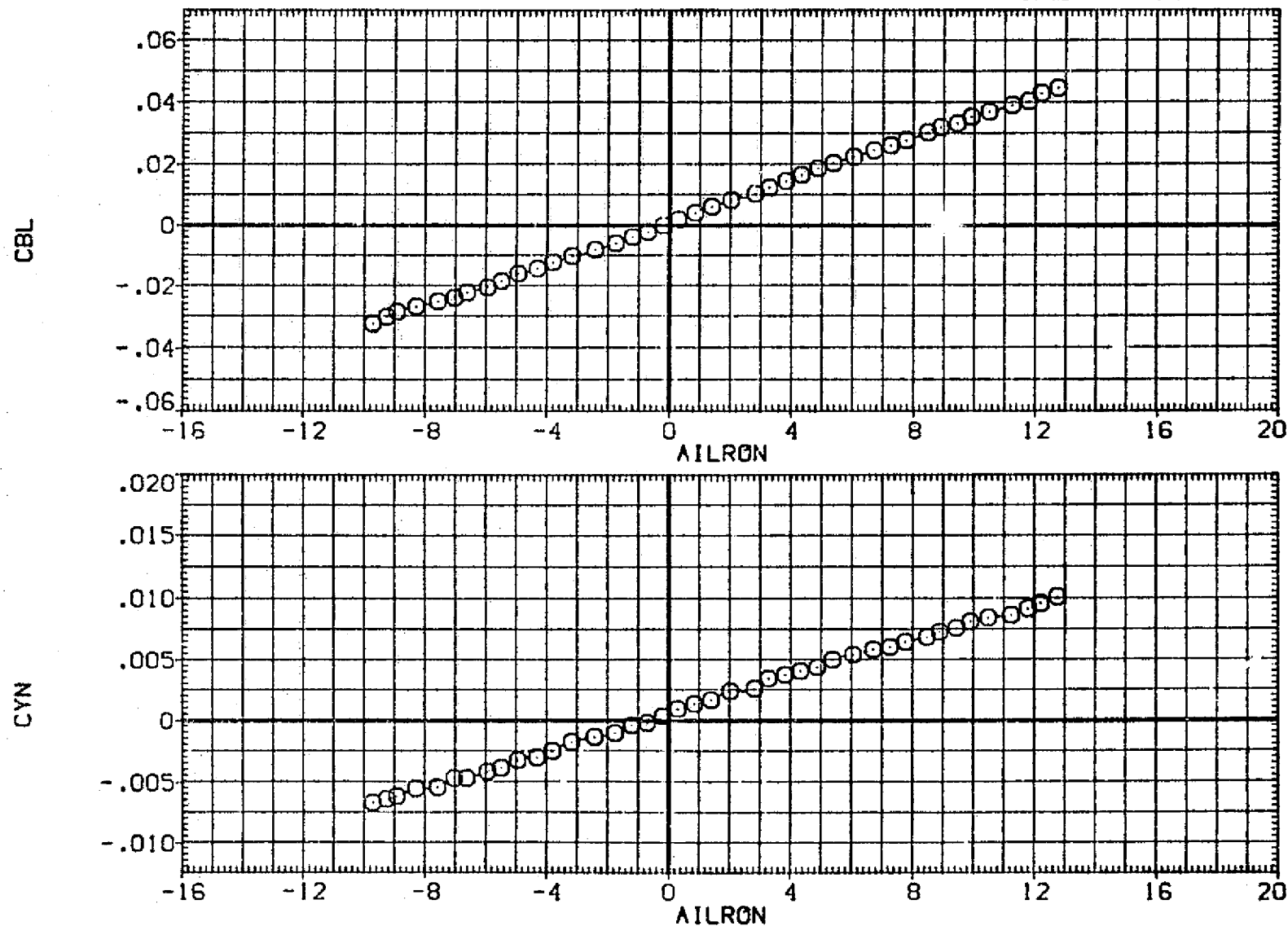


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD103)

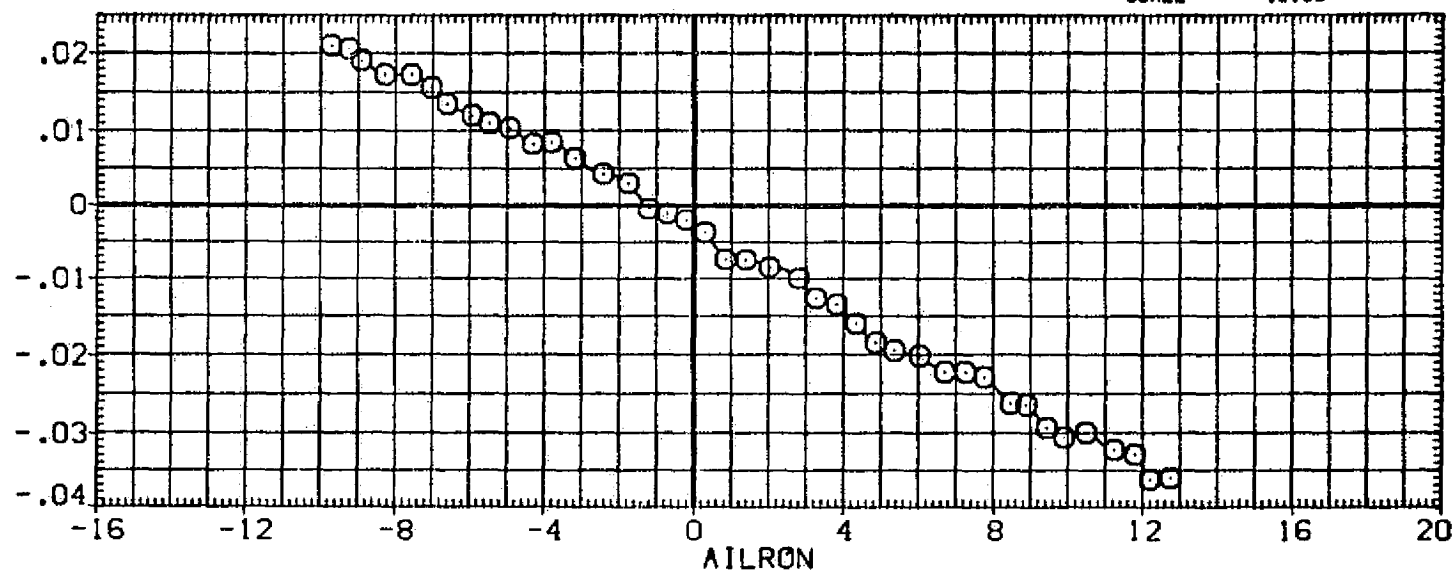
SYMBOL
OMACH
.599

PARAMETRIC VALUES			
ALPHA	6.000	ELEVON	.000
SPOBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSP05	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CY



XCP/L

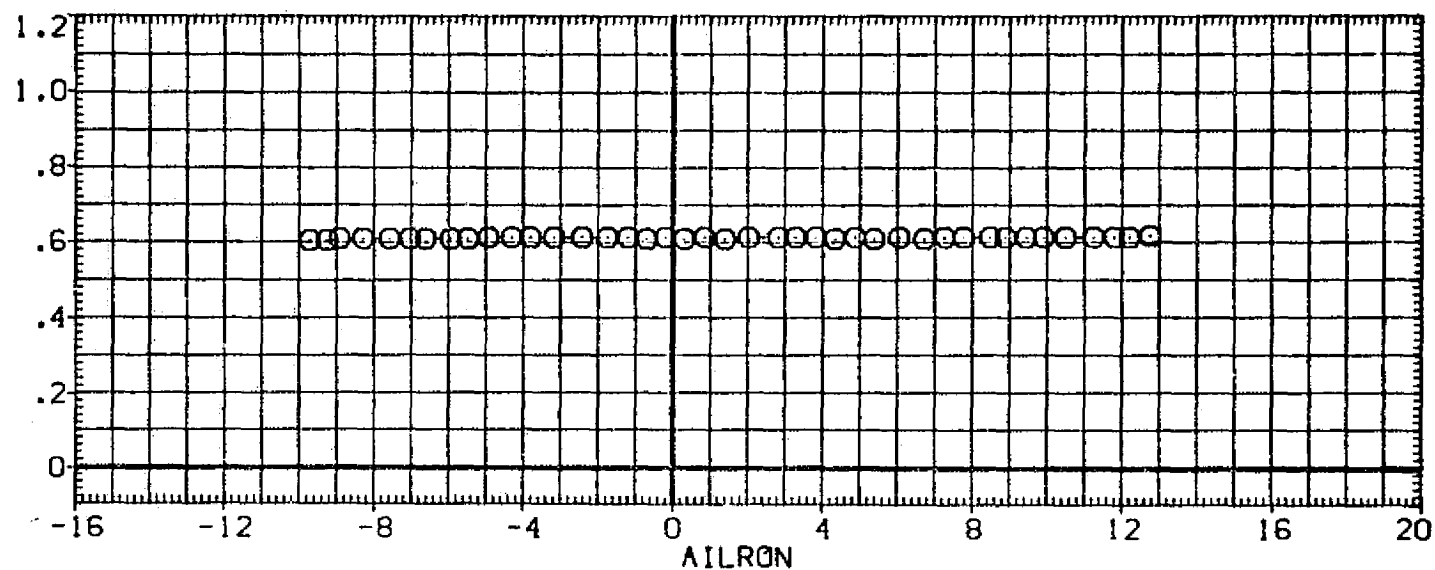


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○

MACH

.599

PARAMETRIC VALUES

ALPHA	6.000	ELEVON	.000
SPOBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSP05	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

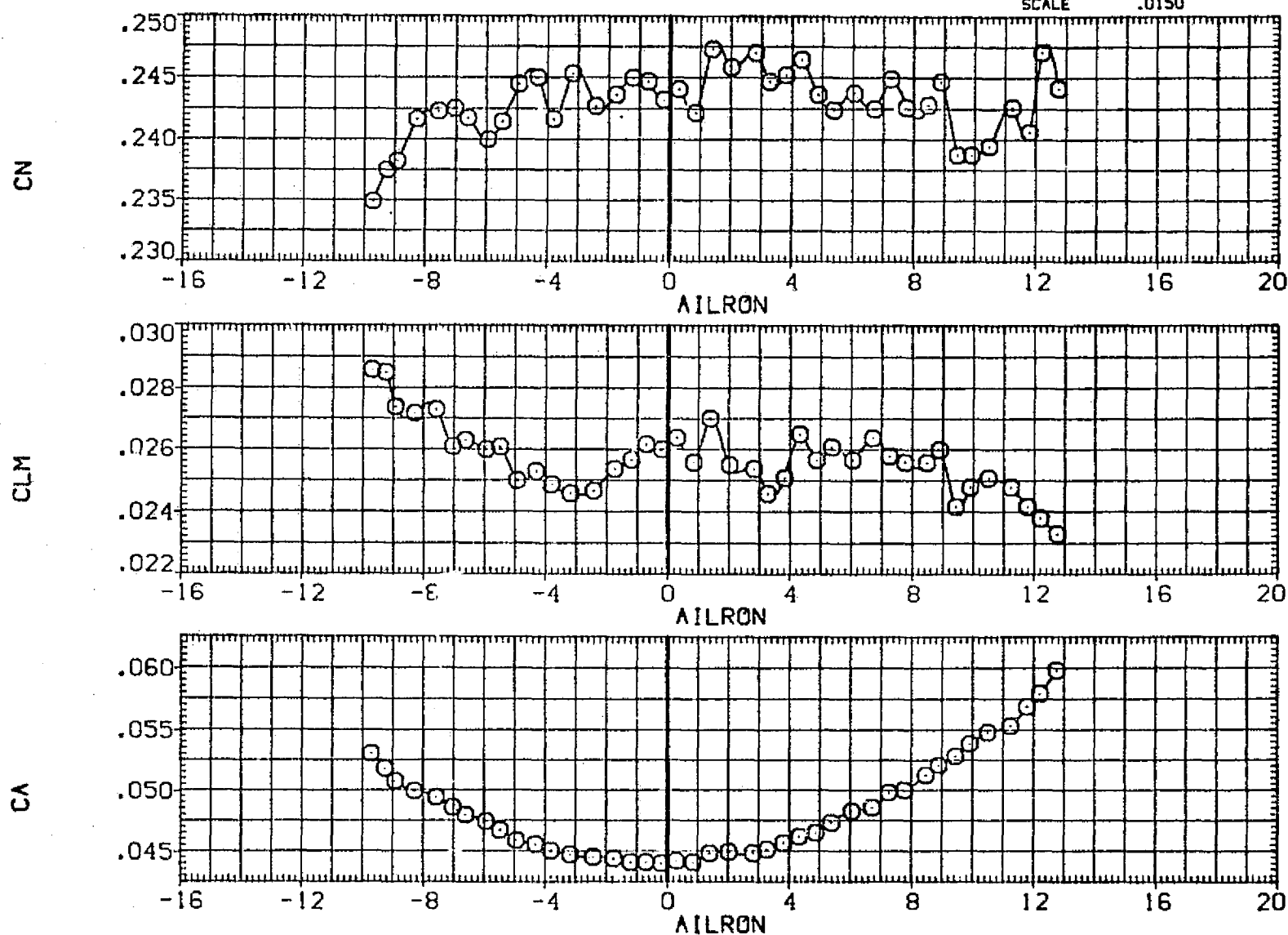


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LIV 552) ORBITER 49-0

(SFD103)

SYMBOL

○

MACH

.599

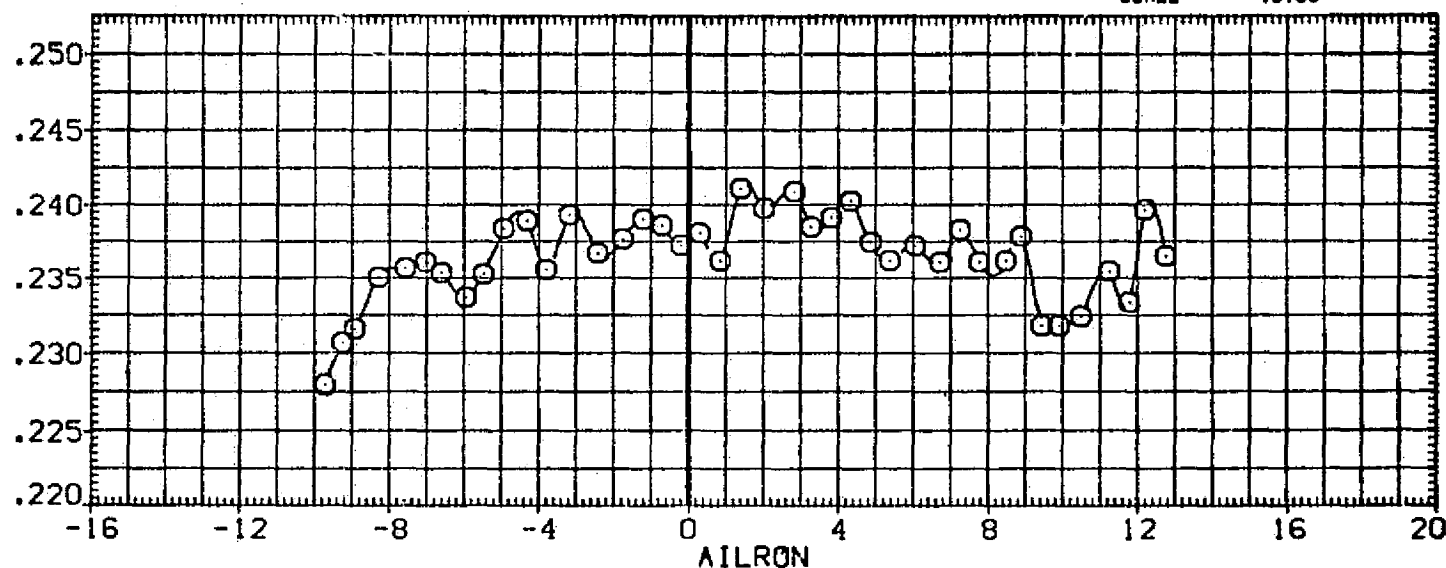
PARAMETRIC VALUES

ALPHA	6.000	ELEVON	.000
SPOBRK	25.000	RN/L	5.000
GRITND	120.000	PCSPDS	.000
BETA	.000	DDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



CD

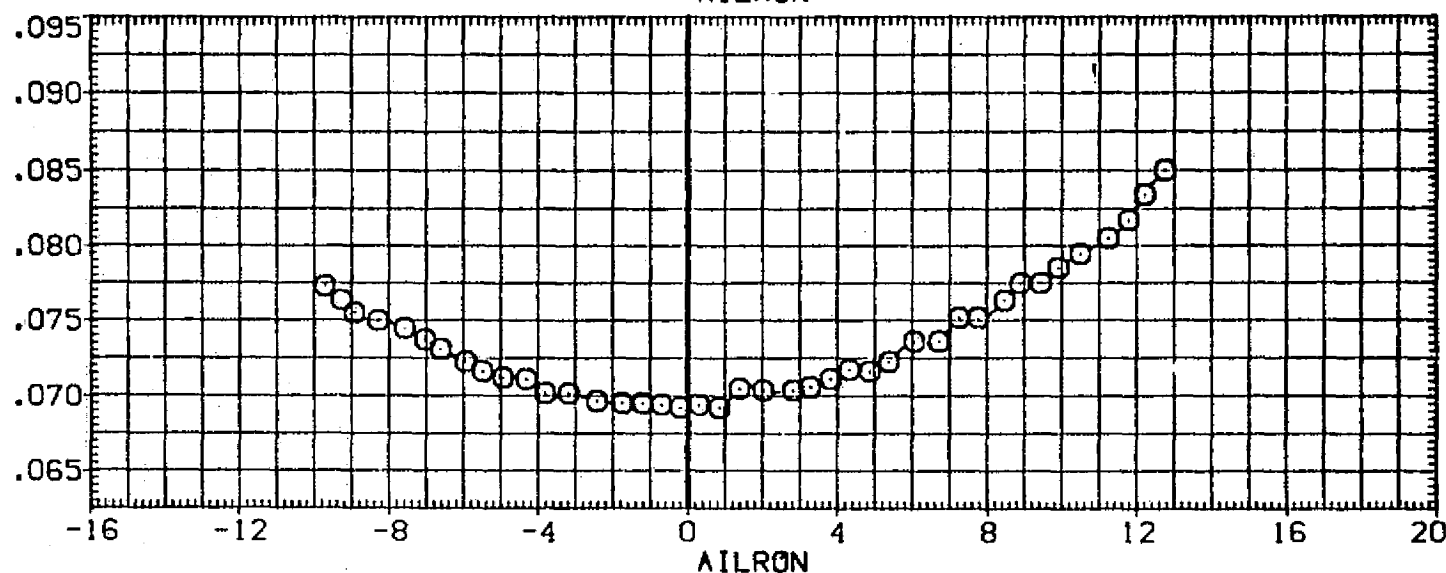


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○

MACH
.599

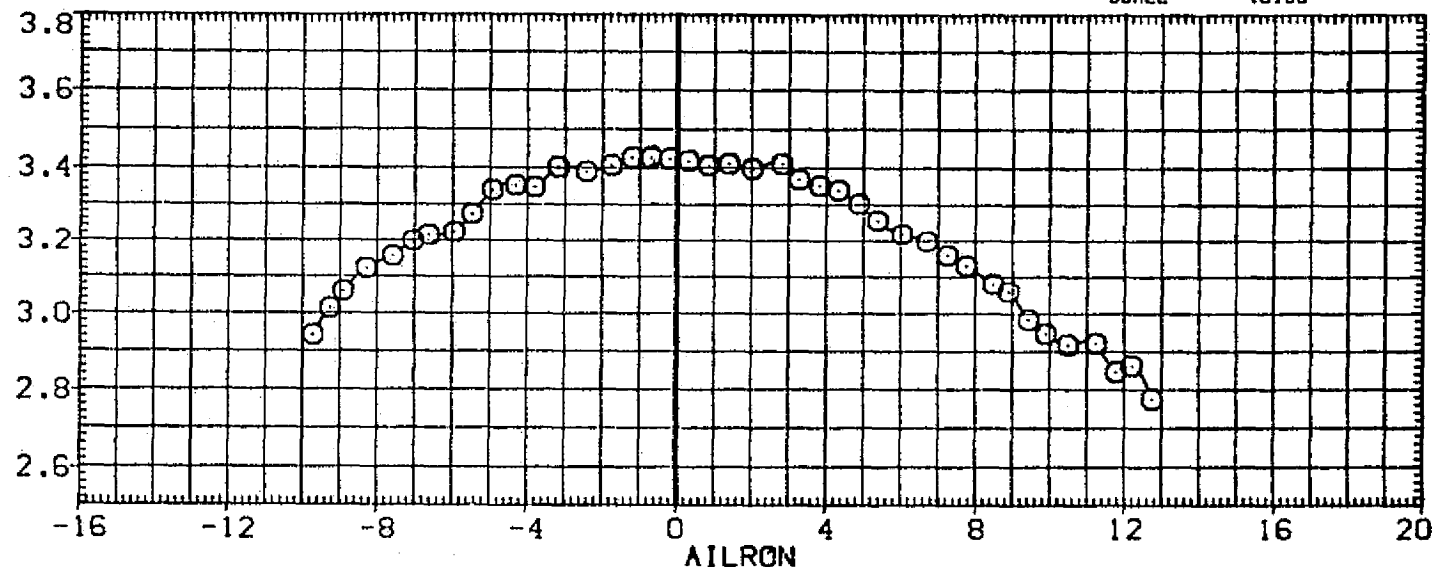
PARAMETRIC VALUES

ALPHA	6.000	ELEVON	.000
SPDBRK	25.000	RN/L	5.000
GRITND	120.000	RCSPQS	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	90. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

L/D



ELEVON

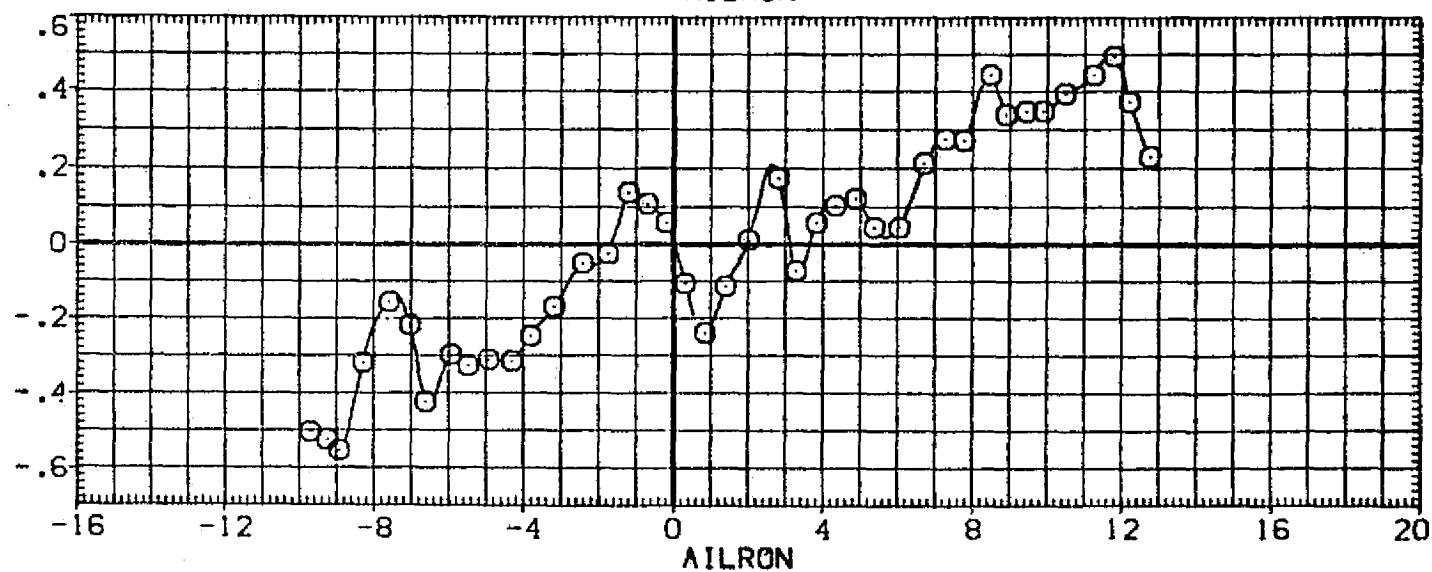


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD104)

SYMBOL
○

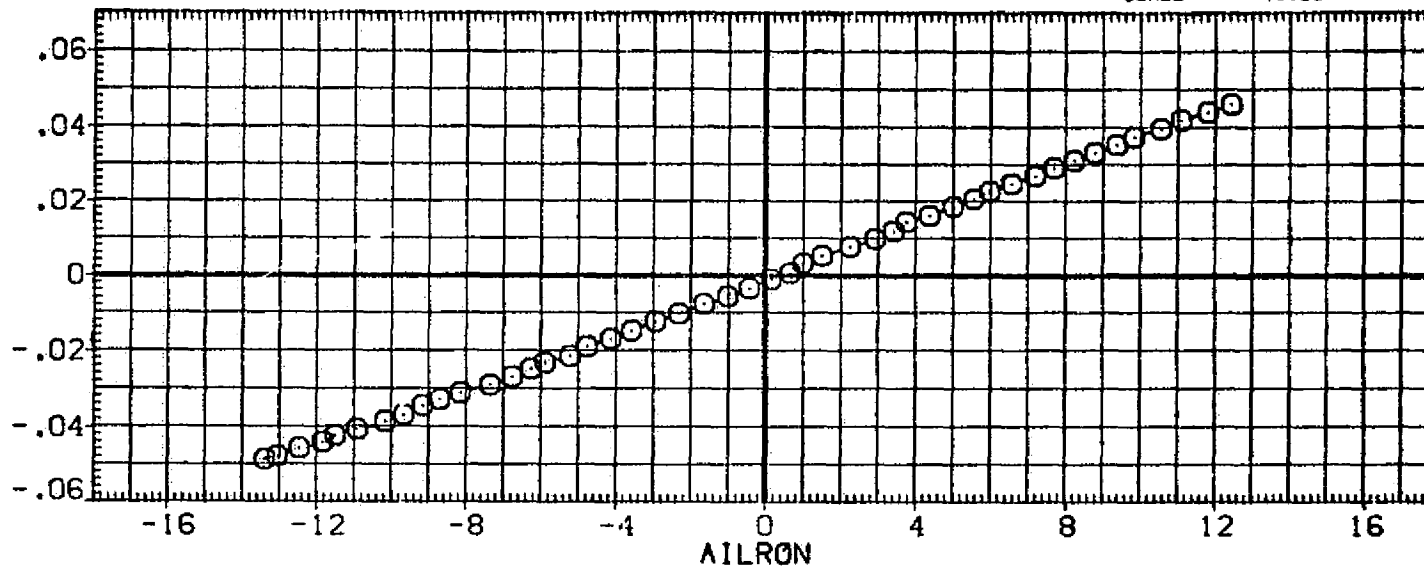
MACH
.604

PARAMETRIC VALUES			
ALPHA	13.000	ELEVON	.000
SPDBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSP05	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO. FT.
LREF	471.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CBL



CYN

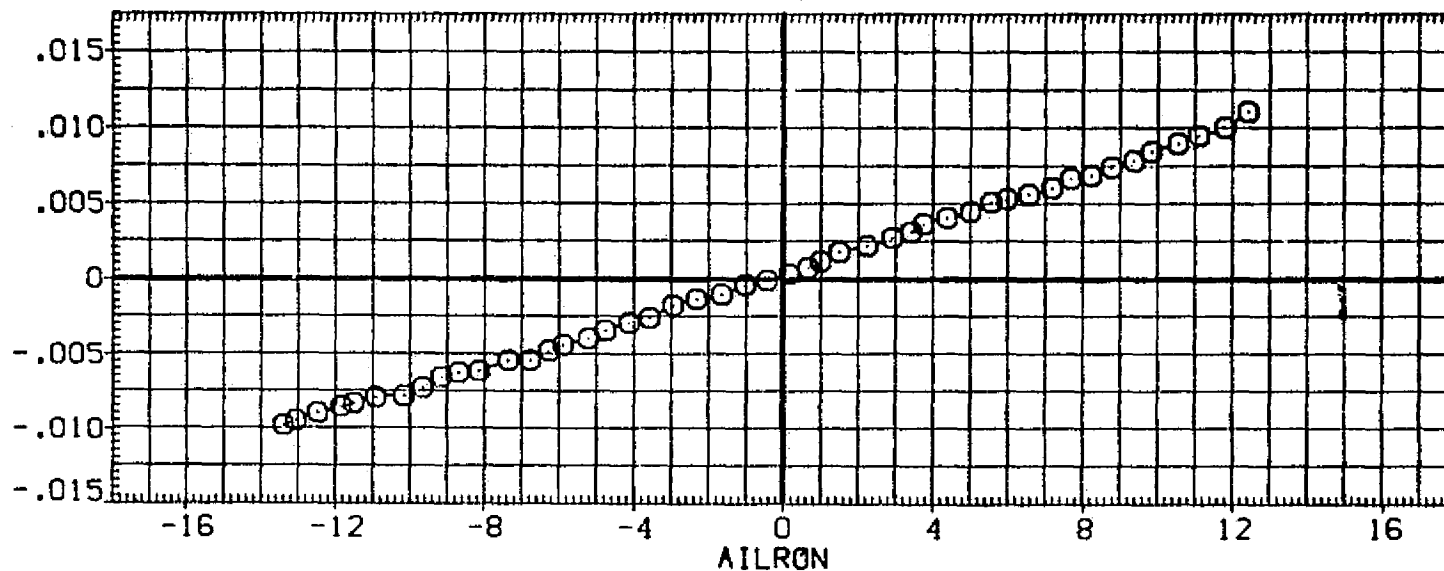


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
.604

PARAMETRIC VALUES			
ALPHA	13.000	ELEVON	.000
SPOBRK	25.000	RN/L	5.000
GRITN0	120.000	RCSP05	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.7000 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

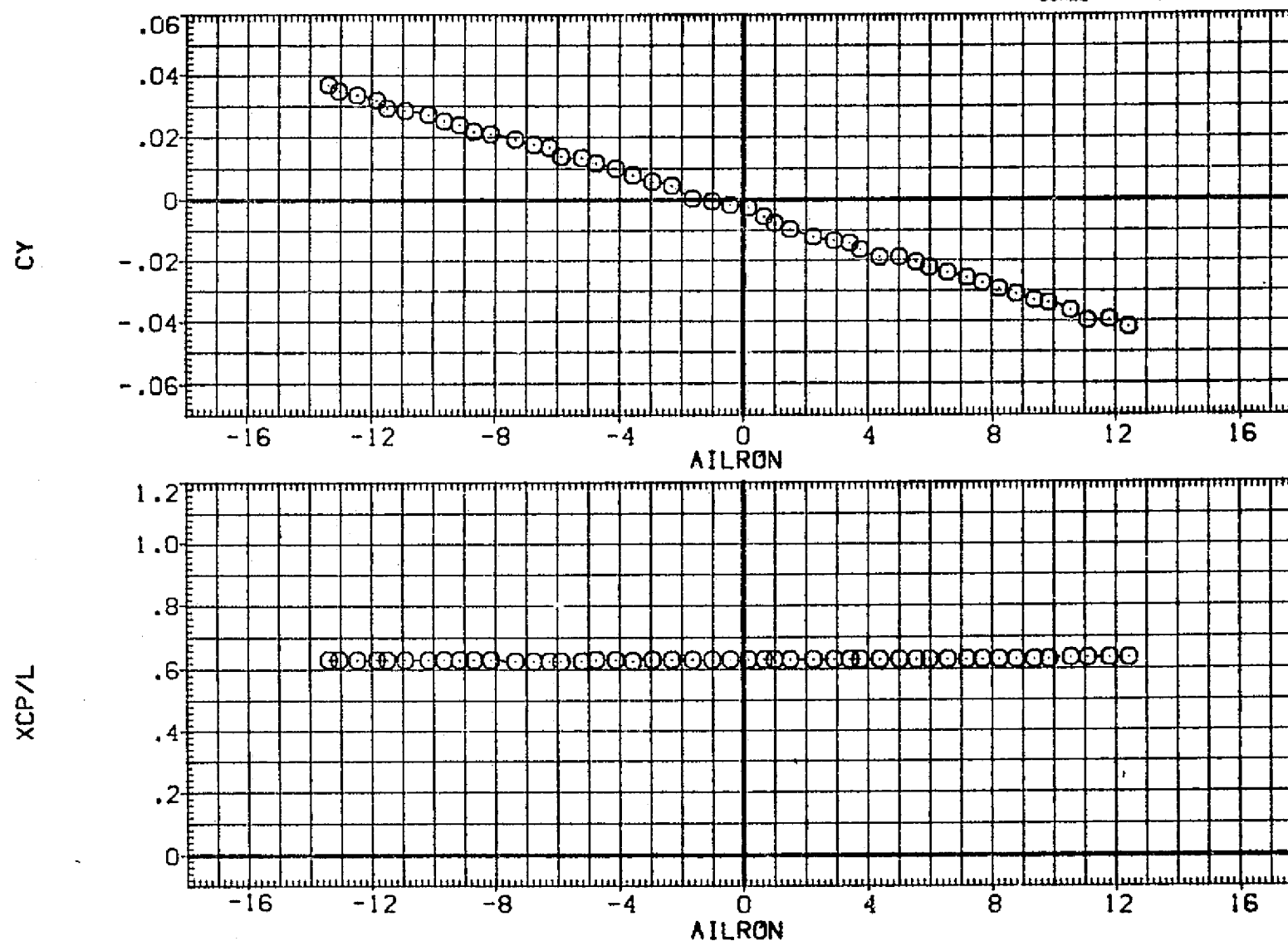


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD104)

SYMBOL
○

MACH

.604

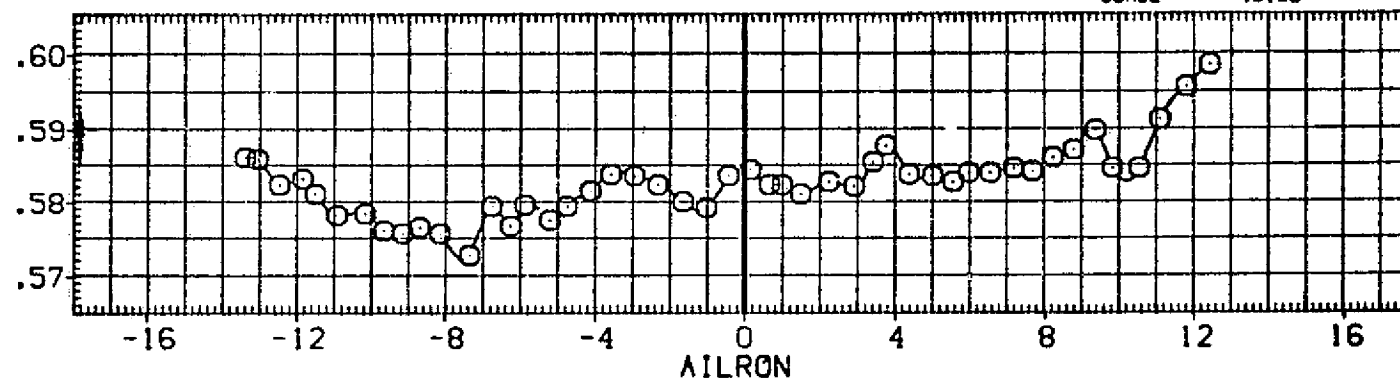
PARAMETRIC VALUES

ALPHA	13.000	ELEVON	.000
SPDBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSPDS	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

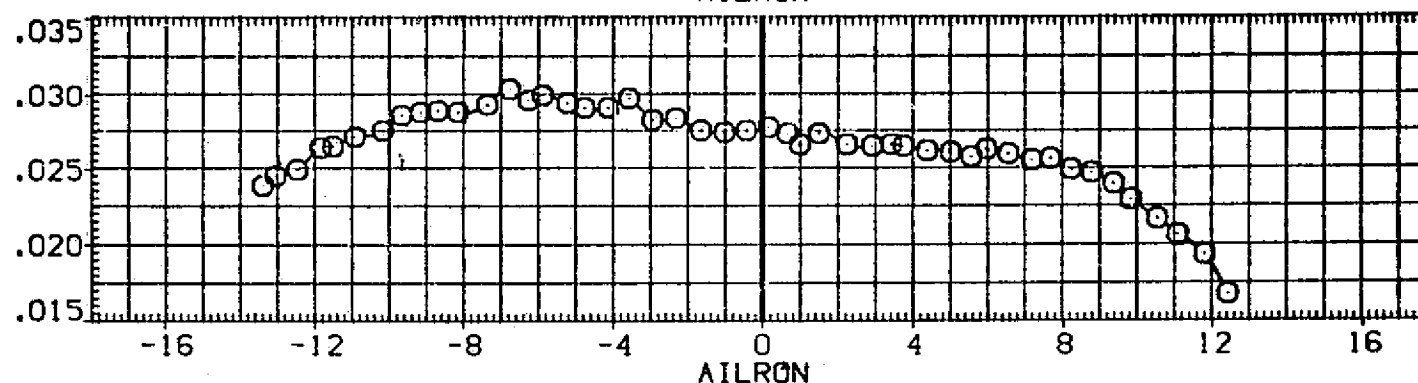
REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	IN. YO
YMRP	.0000	IN. ZO
ZMRP	375.0000	
SCALE	.0150	

CN



CLM



CA

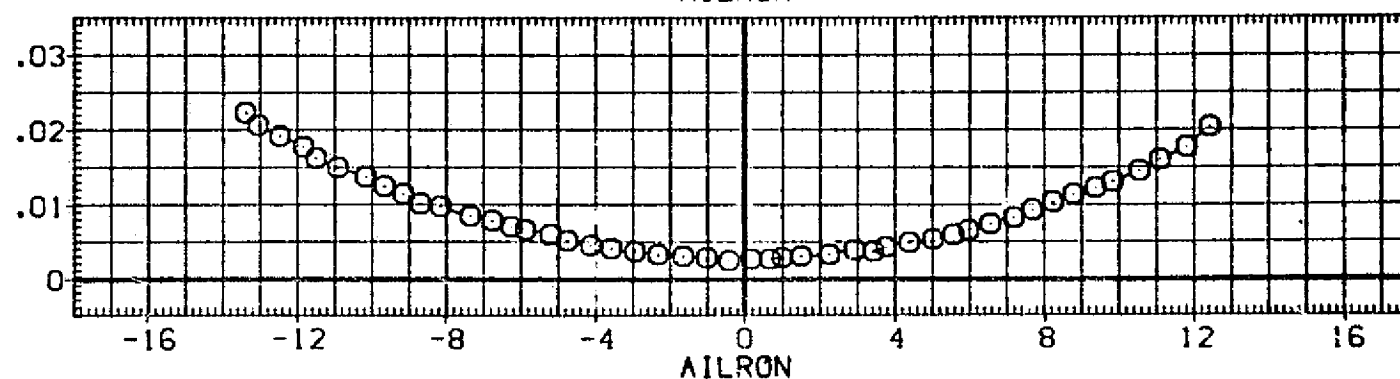


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
.604

PARAMETRIC VALUES			
ALPHA	13.000	ELEVON	.000
SPDBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSPDS	.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2590.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

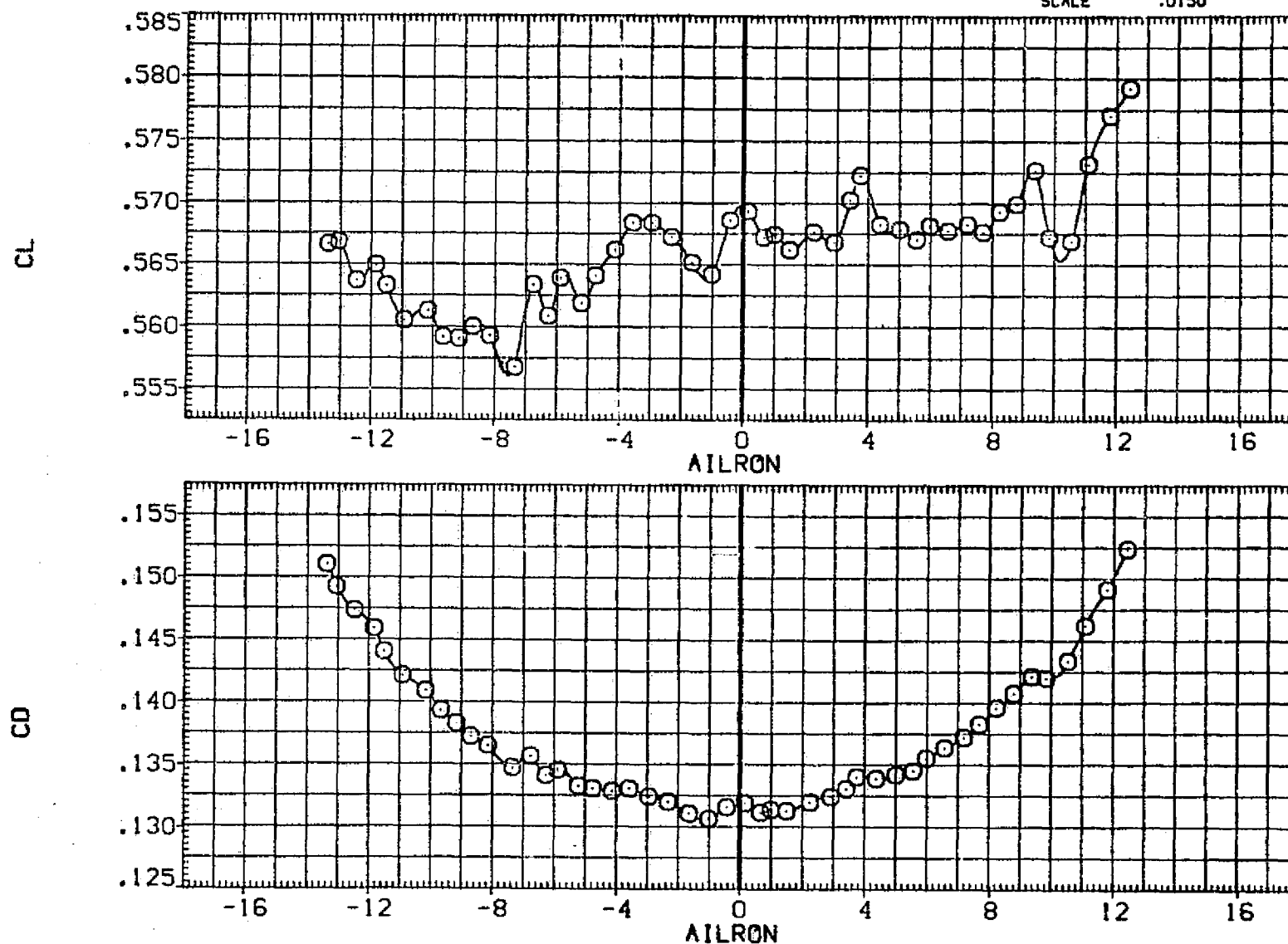


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD104)

SYMBOL
OMACH
.604

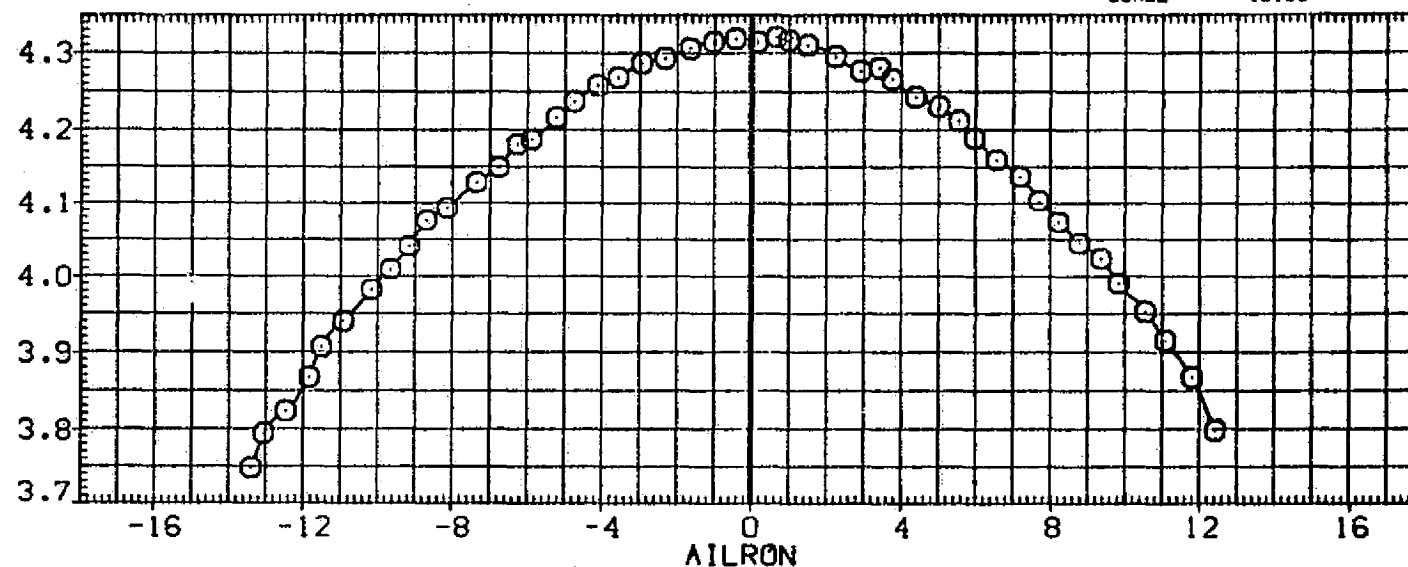
PARAMETRIC VALUES

ALPHA	13.000	ELEVON	.000
SPDBRK	25.000	RN/L	5.000
GRITNO	120.000	RCSPDS	.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

L/D



ELEVON

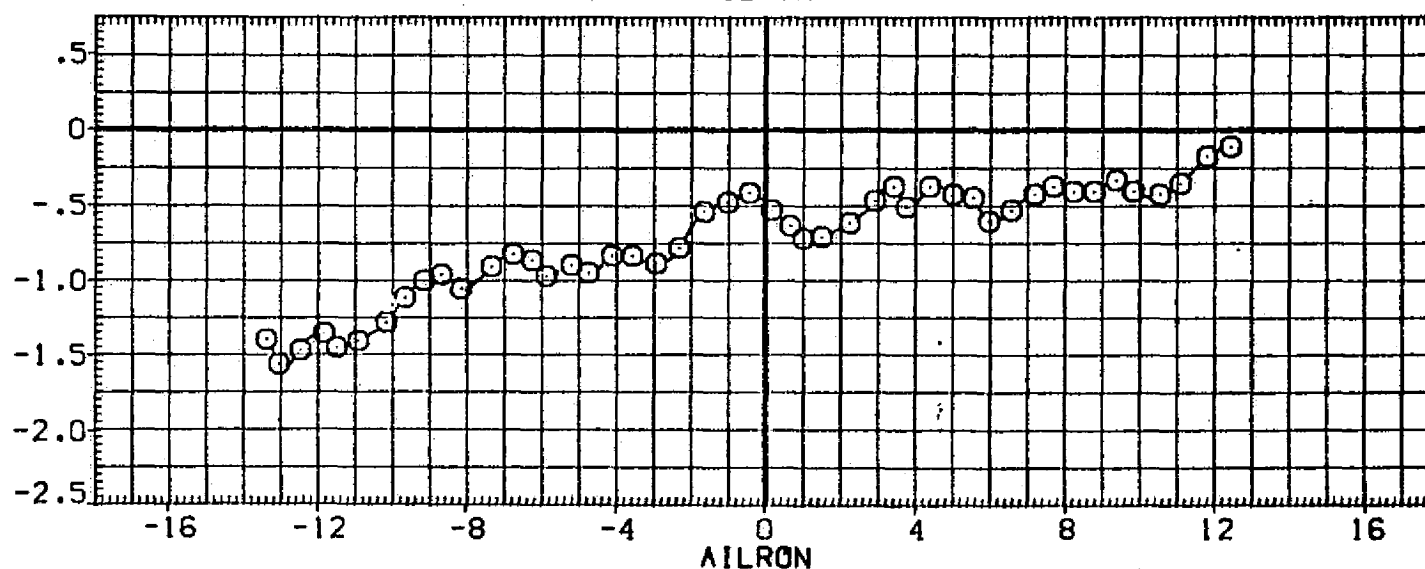
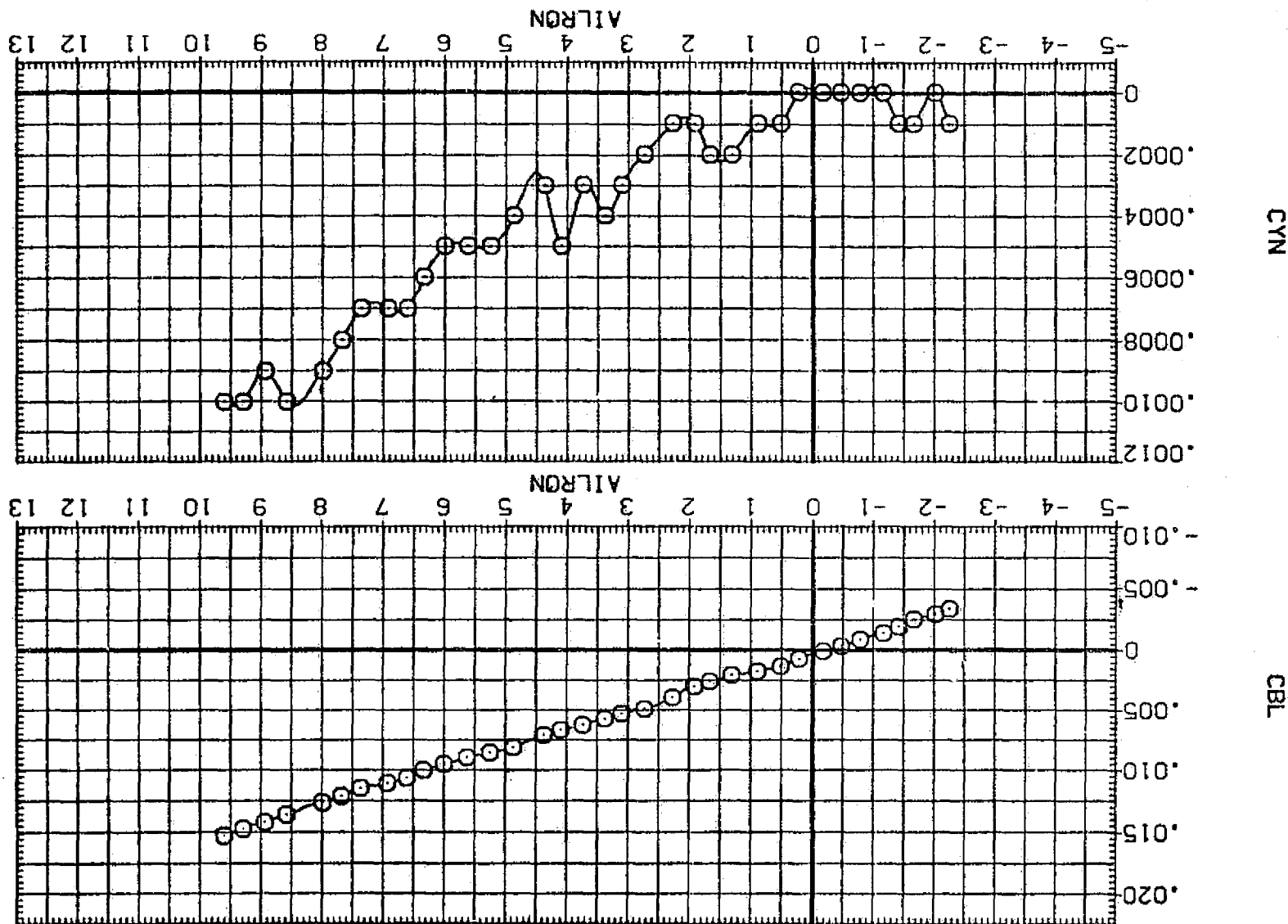


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS



SYMBOL	○
MACH	1.510
PARAMETRIC VALUES	
ALPHA	.000
ELEVON	8.000
RN/L	1.000
RCSPS	.000
BDFLAP	.000
BETA	.000
GRITND	.000
SPDBRK	55.000
RUDDER	.000
REFERENCE INFORMATION	
SREF	2690.0000
LREF	474.8000
BREF	936.7000
INCHES	1076.7000
IN. X0	.0000
IN. Y0	.0000
IN. Z0	.0150

(AFD110)

LAG7 (LTV 552) ORBITER 49-C

LA87 (LTV 552) ORBITER 49-0

(AFD110)

SYMBOL
○

MACH
1.510

PARAMETRIC VALUES			
ALPHA	.000	ELEVON	.000
SPDBRK	55.000	RN/L	8.000
GRITND	.000	RCSPDS	1.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

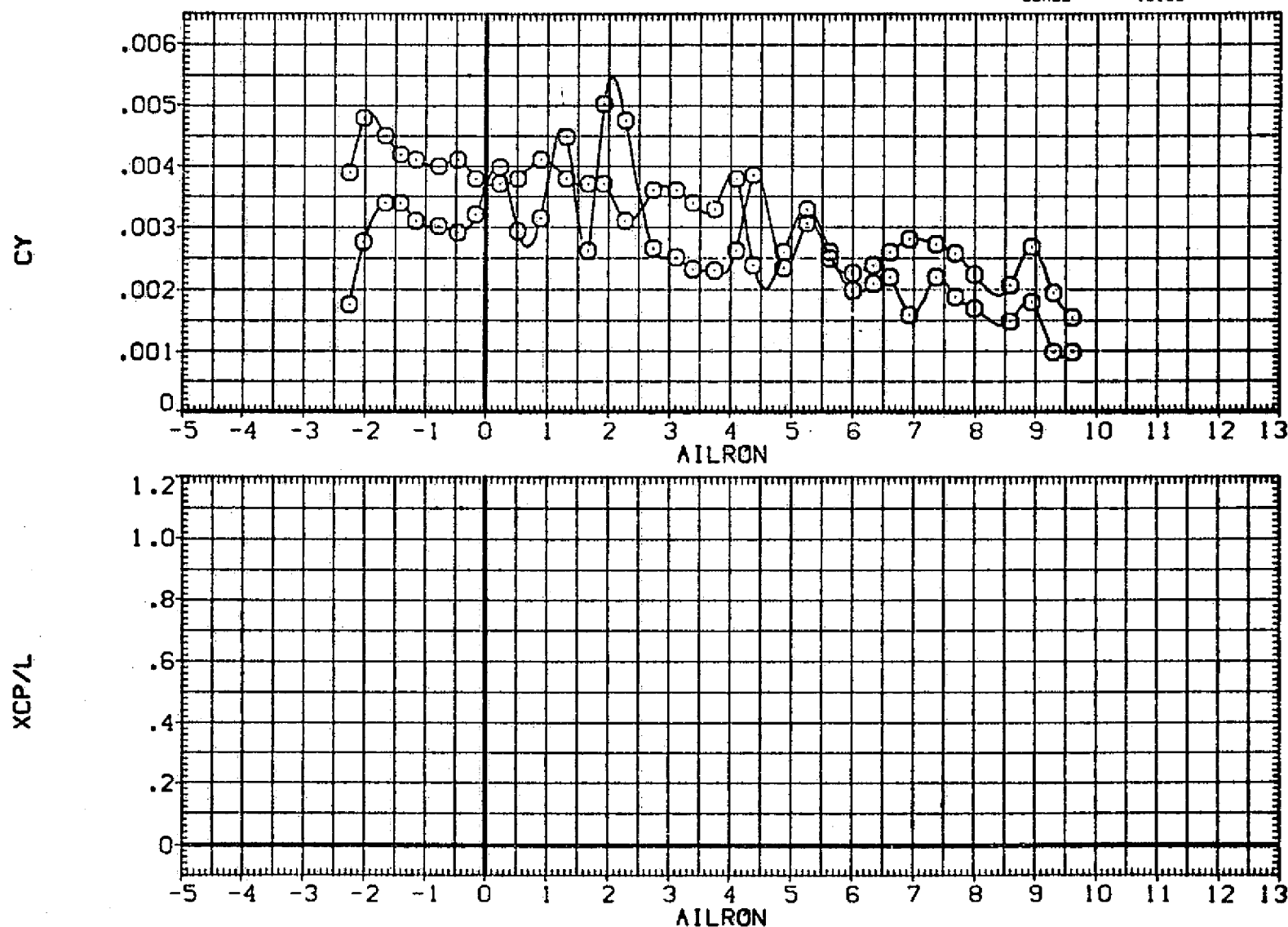


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.310	ALPHA	.000	ELEVON	.000
		SPDBRK	55.000	RN/L	8.000
		GRITNO	.000	RCSP0S	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

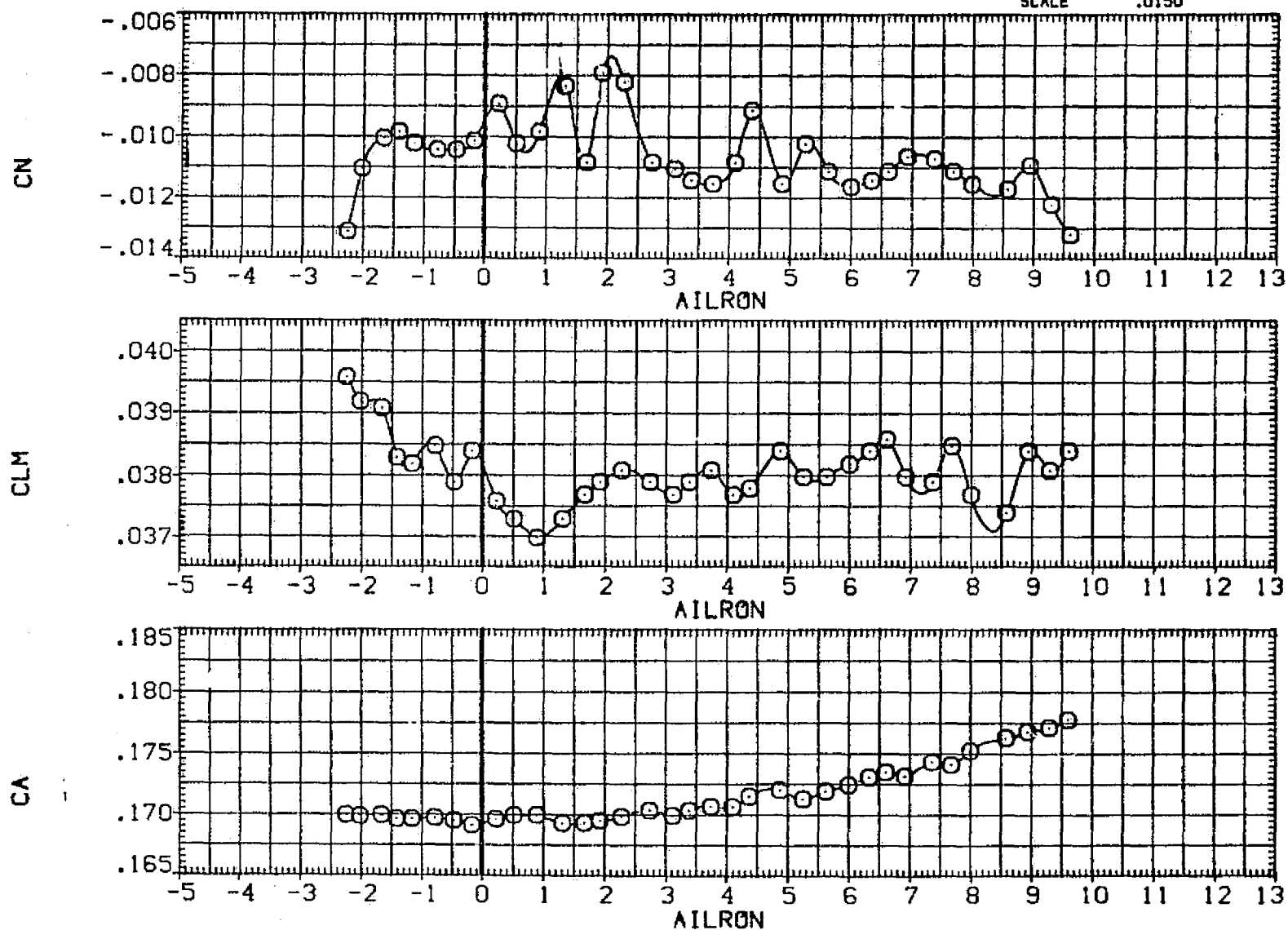


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA07 (LTV 552) ORBITER 49 C

(SFD110)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.510	ALPHA	.000	ELEVON	.000
		SPDBRK	55.000	RN/L	8.000
		GRITNO	.000	RCSPDS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

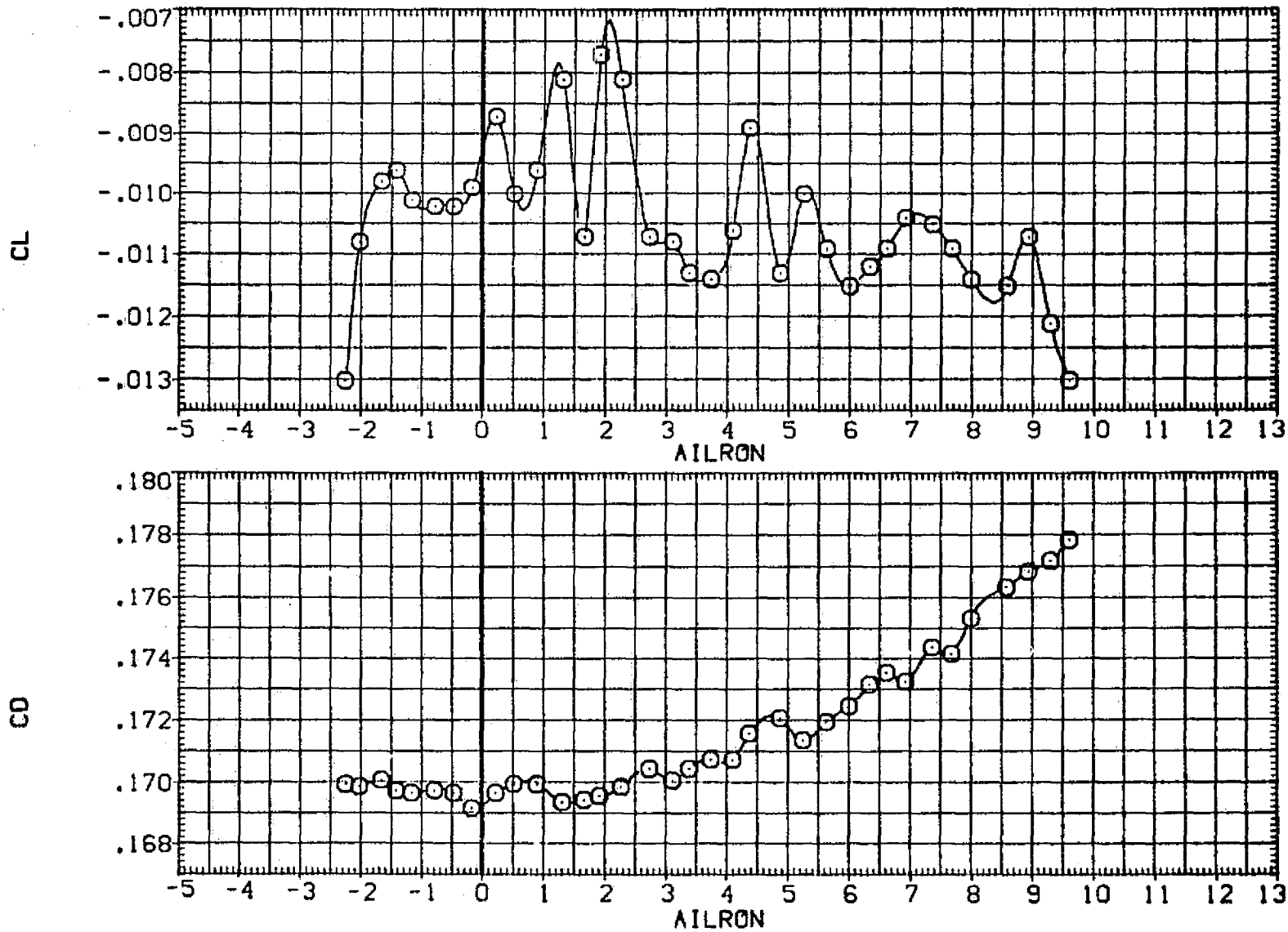


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.510	ALPHA	.000	ELEVON	.000
		SPOBRK	55.000	RN/L	8.000
		GRITNG	.000	RCSPQS	1.000
		BETA	.000	BOFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

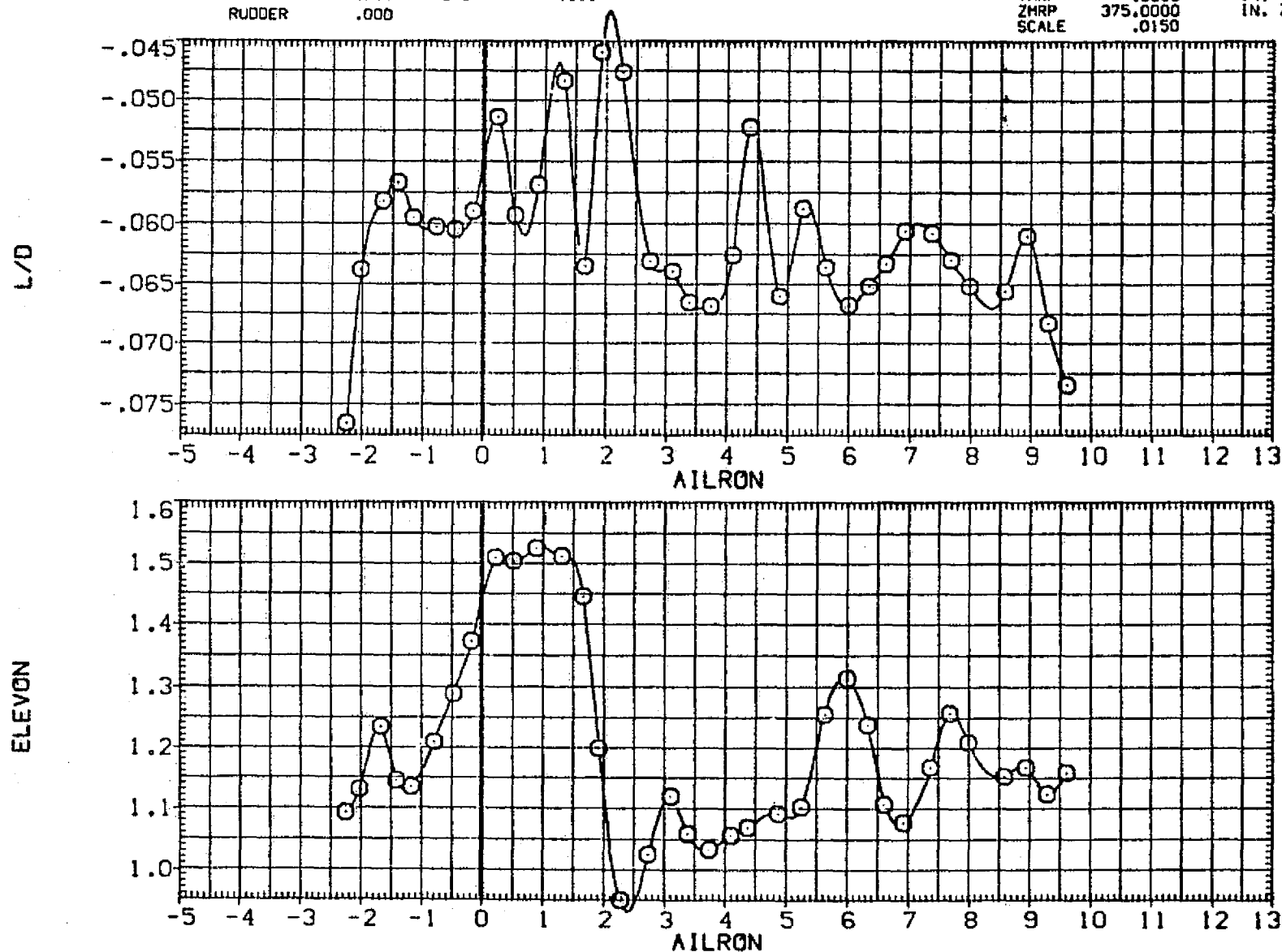


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD111)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.510	ALPHA	5.000	ELEVON	.000
		SPOBRK	55.000	RN/L	8.000
		GRITNO	.000	RCSP0S	1.000
		BETA	.000	BOFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

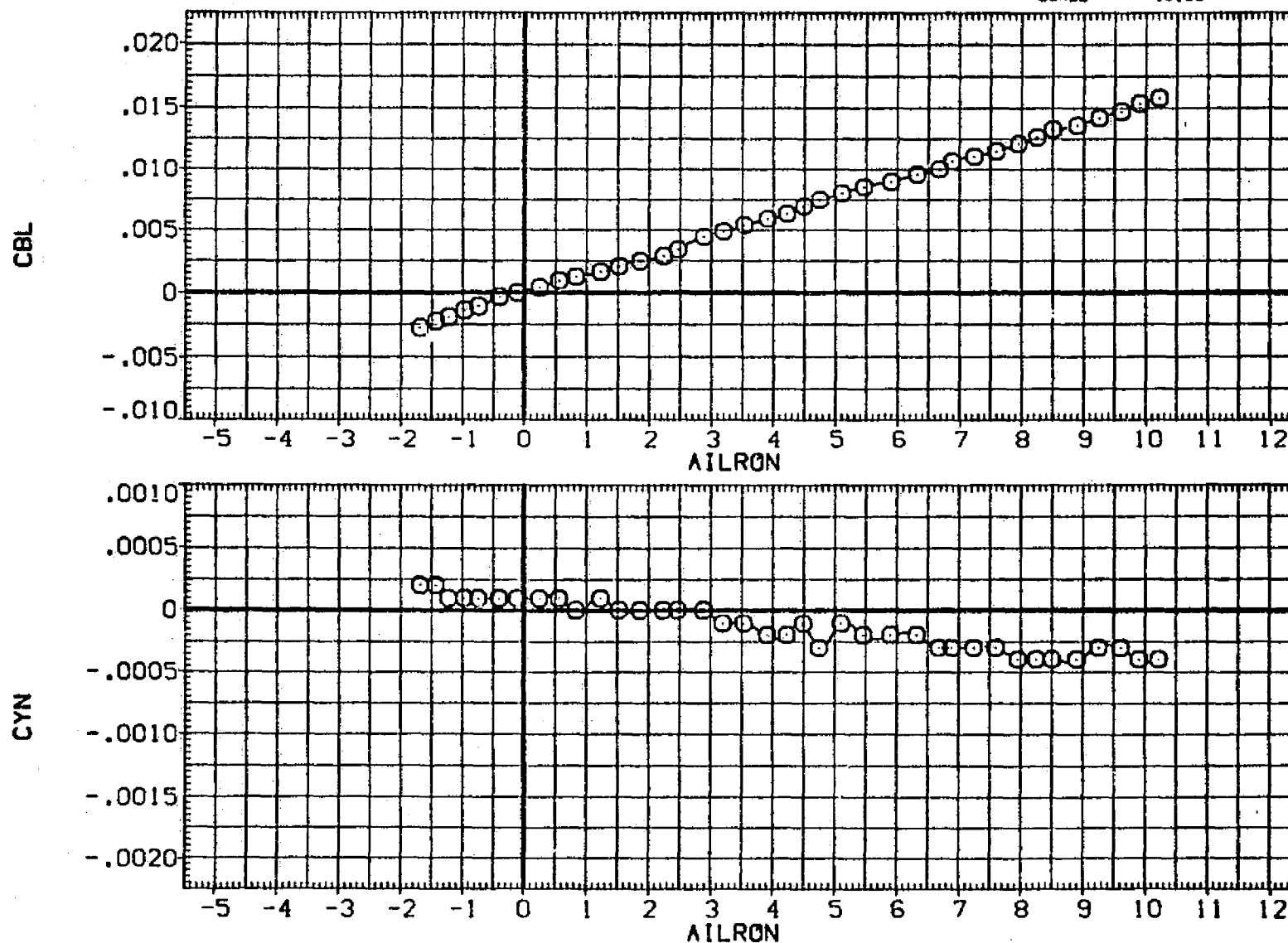
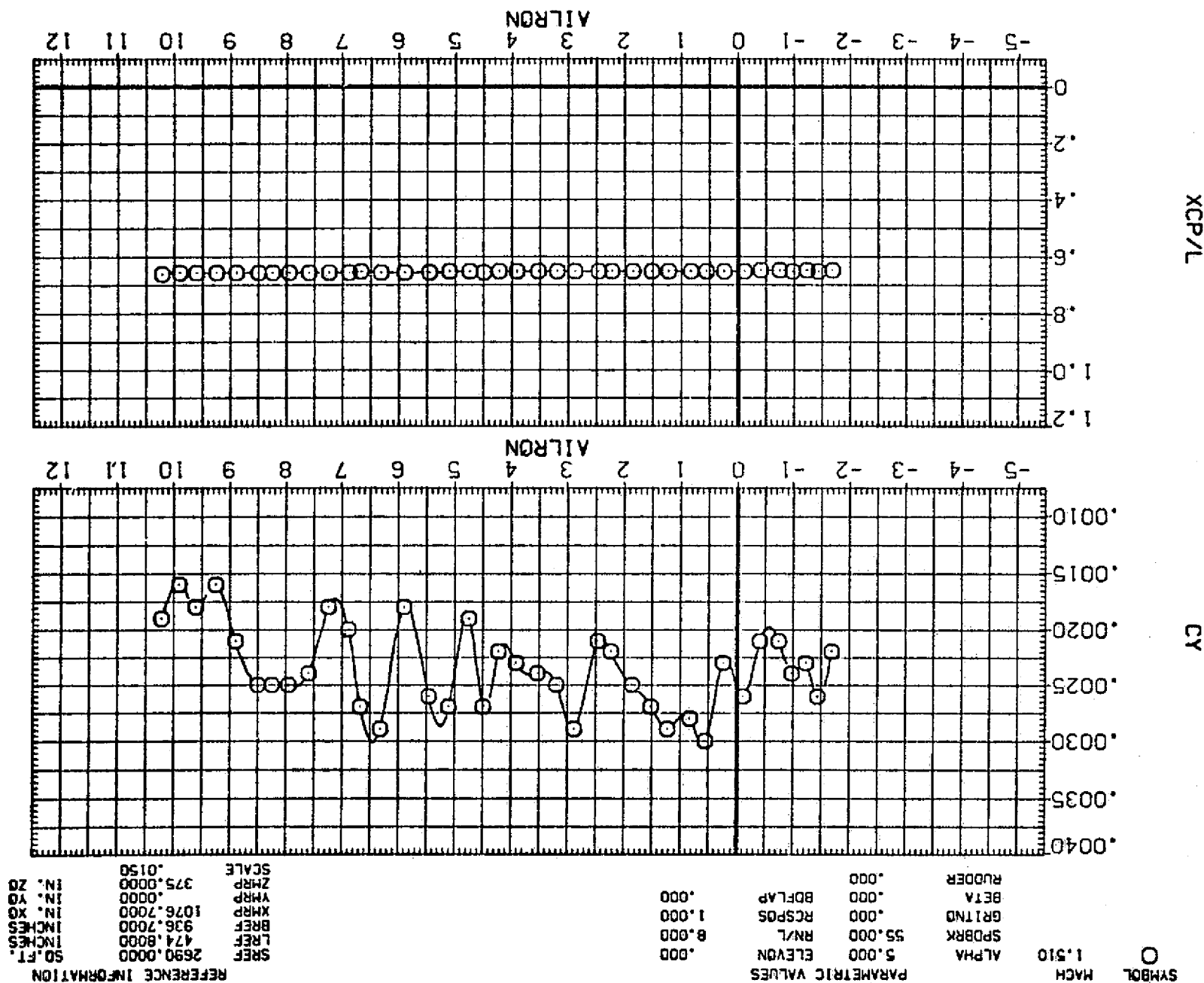


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS



(AFD111)

LAB7 (LTIV 5527) ORBITER 49-0

LA67 (LTV 552) ORBITER 49-0

(AFD111)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	1.510	ALPHA	5.000	ELEVON	.000	SREF	2690.0000	50. FT.
		SPDBRK	55.000	RN/L	8.000	LREF	474.8000	INCHES
		GRITND	.000	RCSP05	1.000	BREF	936.7000	INCHES
		BETA	.000	BDFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

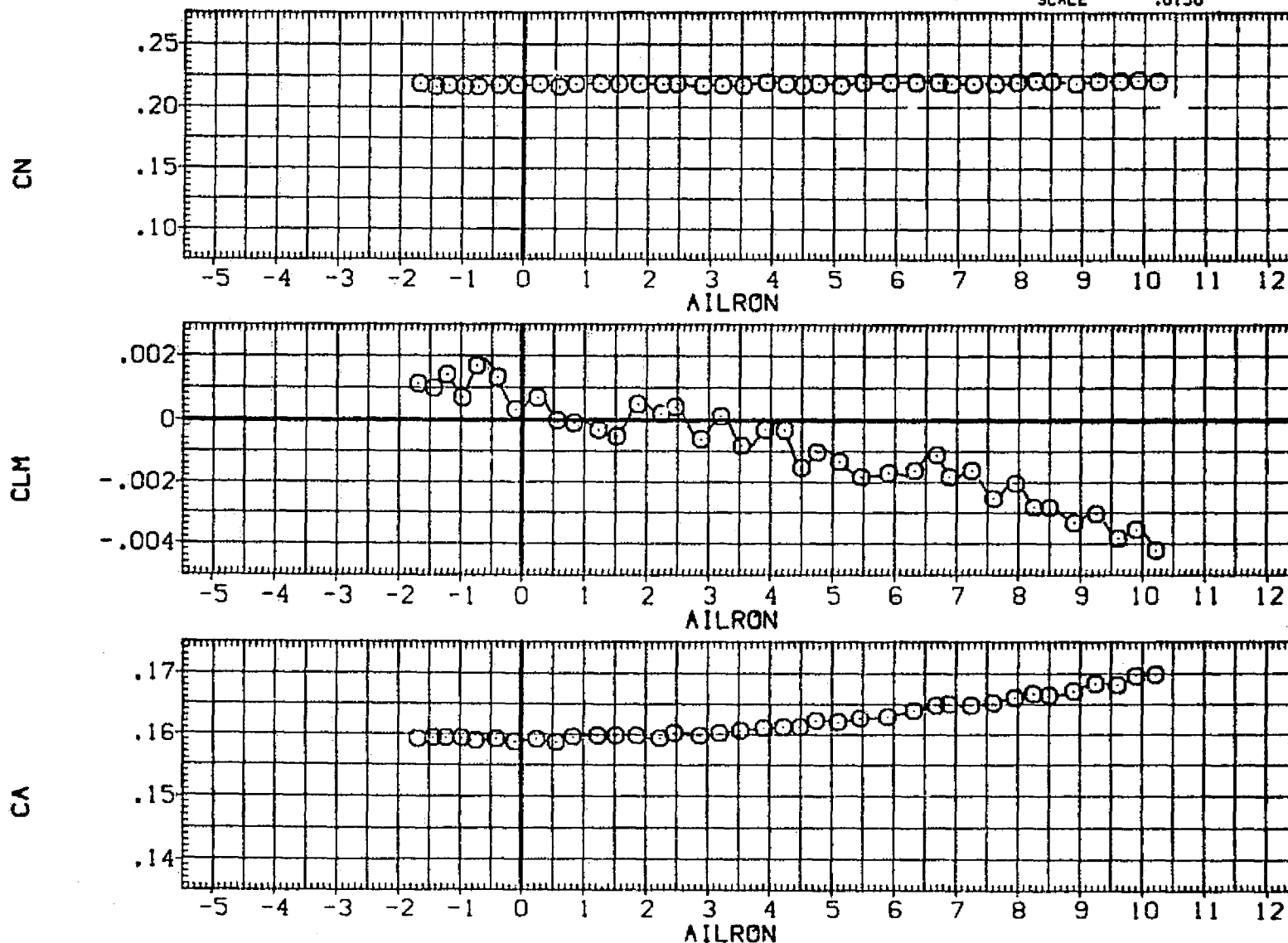


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL

○

MACH

1.510

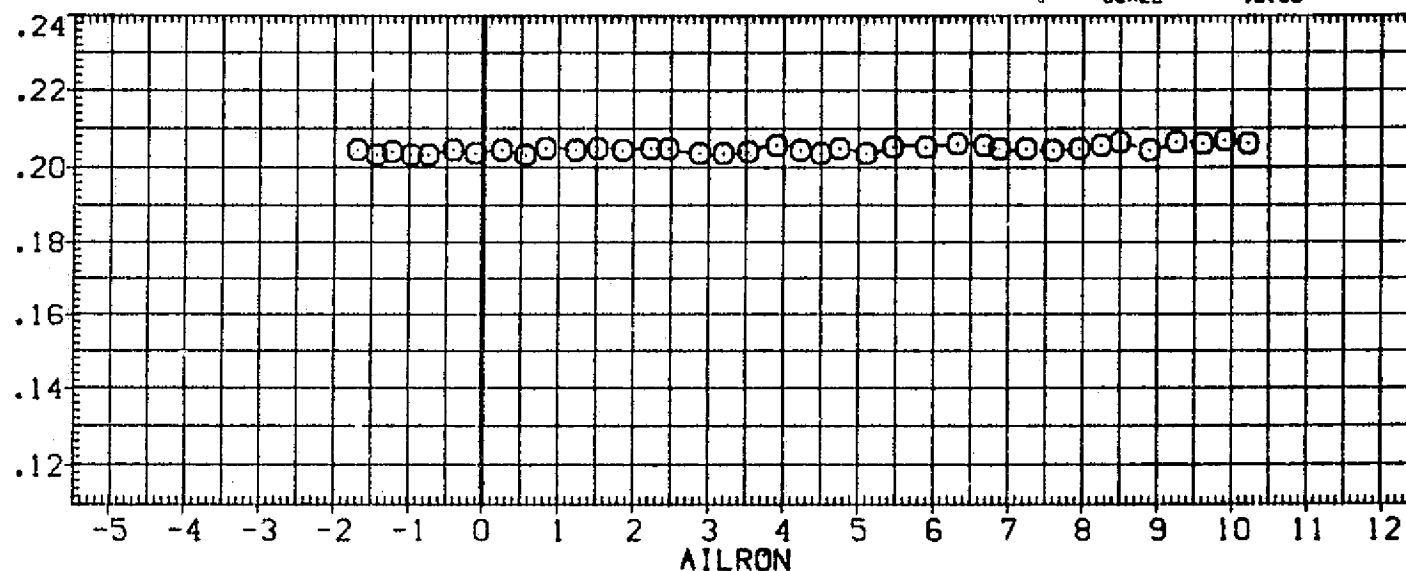
PARAMETRIC VALUES

ALPHA	5.000	ELEVON	.000
SPDBRK	55.000	RN/L	8.000
GRITND	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



CD

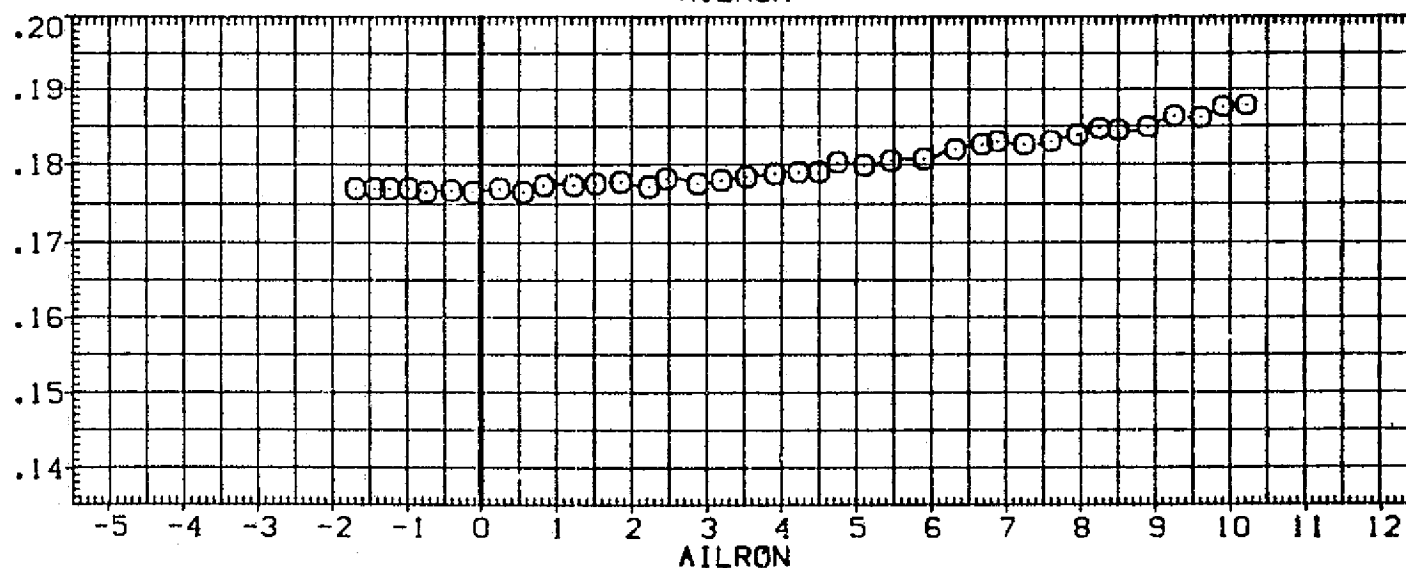


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS.

LA07 (LTV 552) ORBITER 48-0

(SFD111)

SYMBOL
○

MACH
1.510

PARAMETRIC VALUES			
ALPHA	5.000	ELEVON	.000
SPDRK	55.000	RN/L	8.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

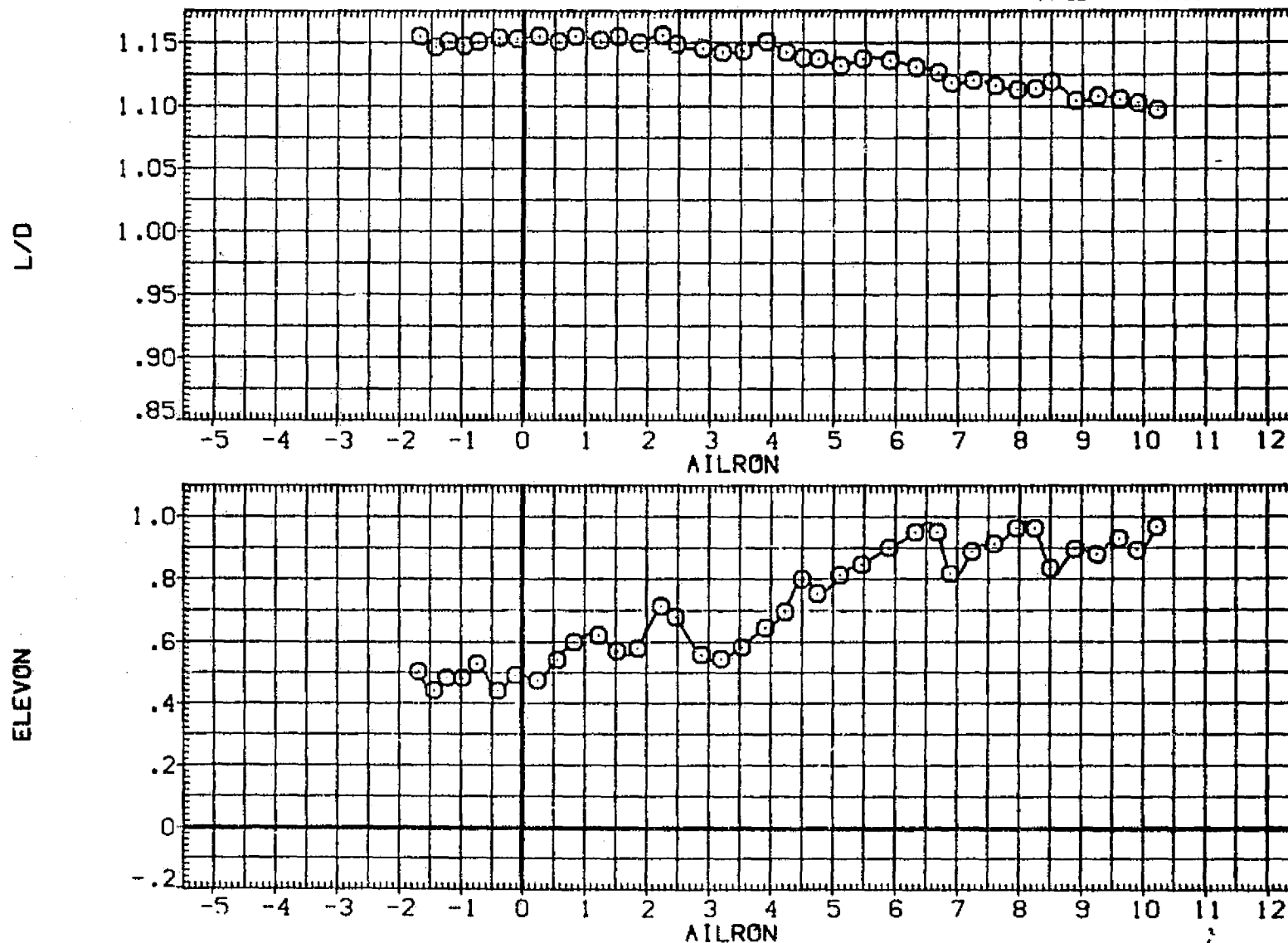


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.510	ALPHA	5.000	ELEVON	5.000
		SPDBRK	55.000	RN/L	8.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

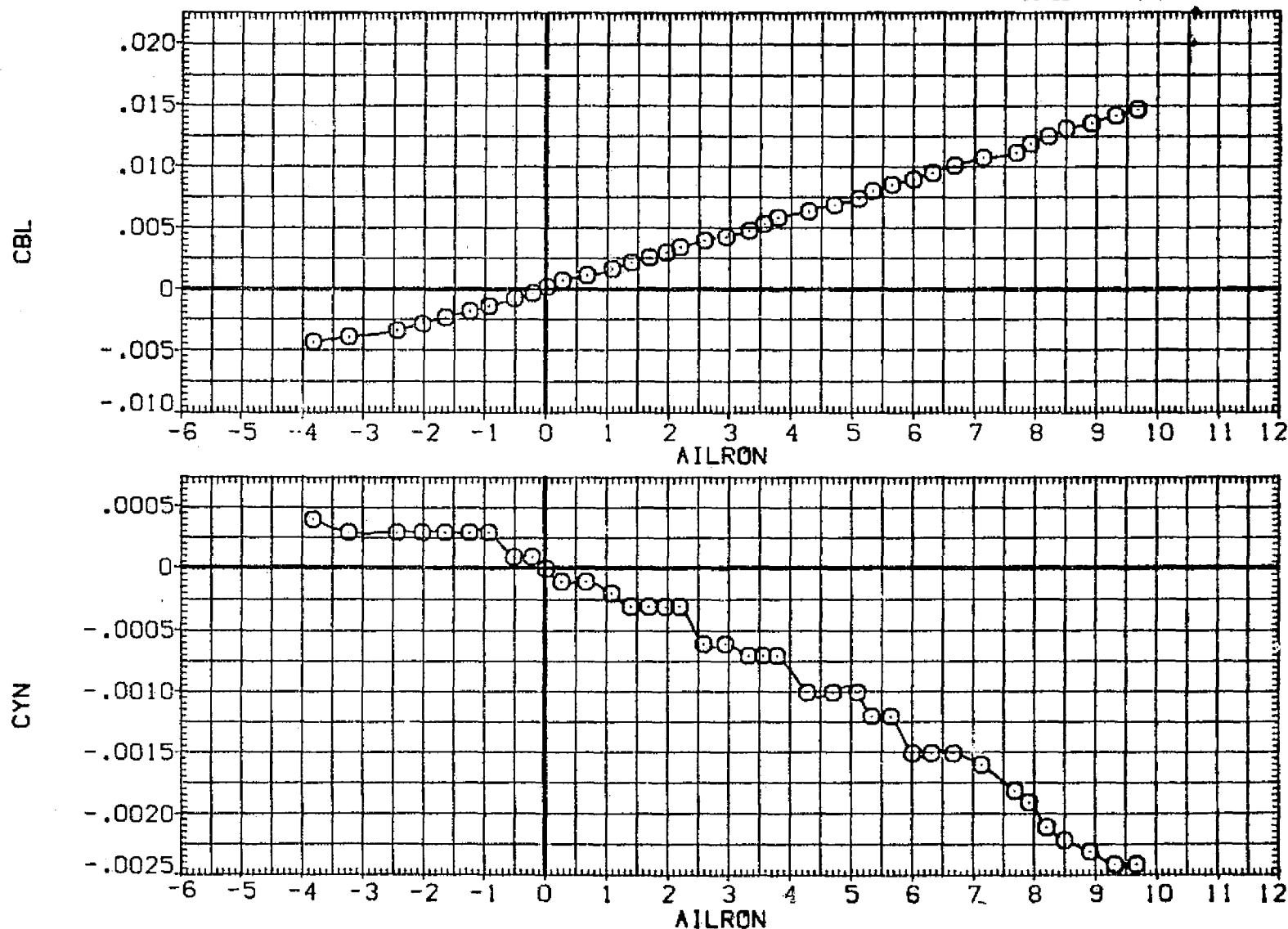


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD112)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
O	1.510	ALPHA	5.000	ELEVON	5.000	SREF	2690.0000	50. FT.
		SPDBRK	55.000	RN/L	8.000	LREF	474.8000	INCHES
		GRITNO	.000	RCSPQS	1.000	BREF	936.7000	INCHES
		BETA	.000	BDFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

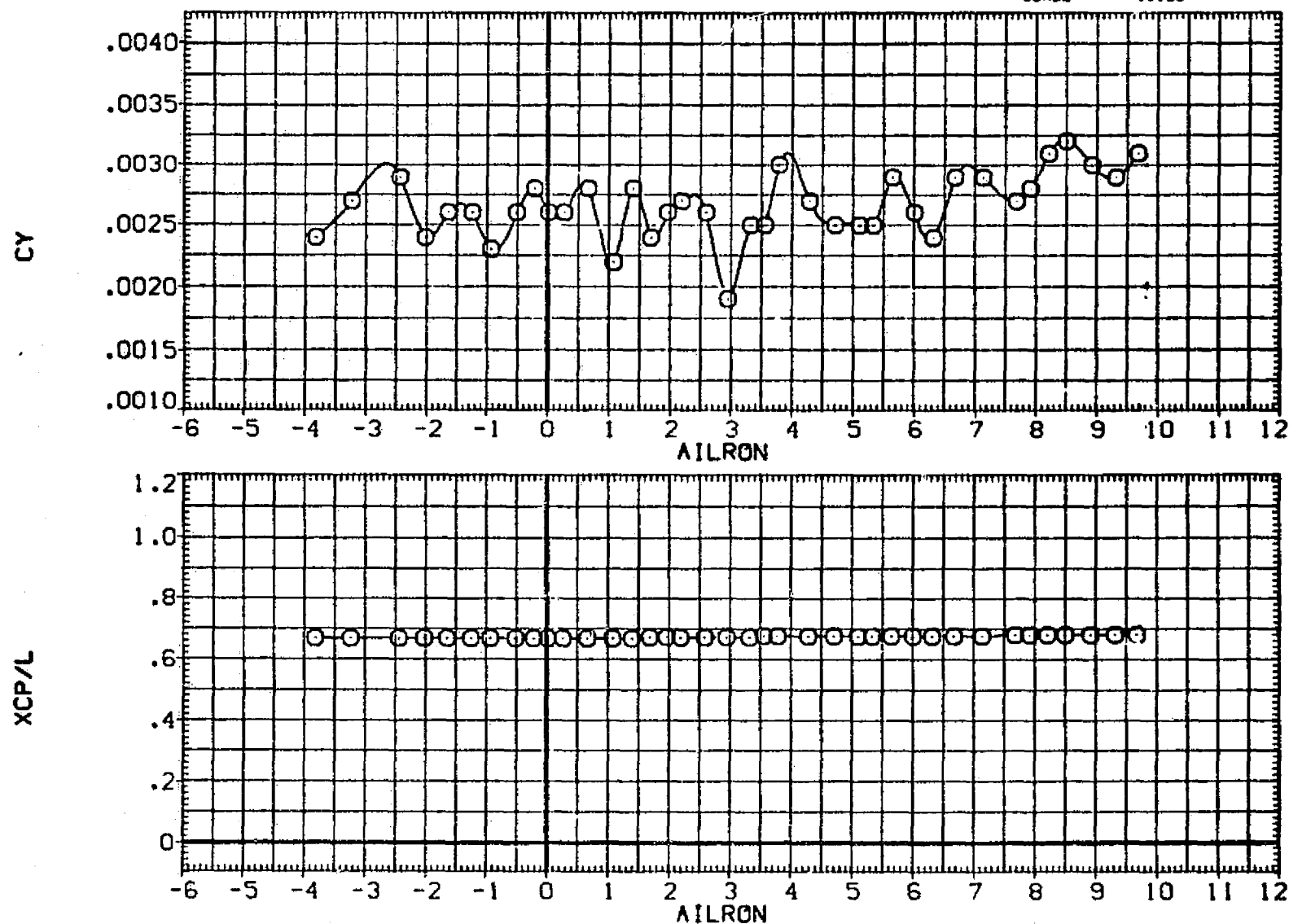


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES
○	1.510	ALPHA 5.000 ELEVON 5.000
		SPOBRK 55.000 RN/L 8.000
		GRITND .000 RCSP0S 1.000
		BETA .000 BDFLAP .000
		RUDDER .000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.0000 INCHES
BREF 936.0000 INCHES
XMRP 1076.0000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

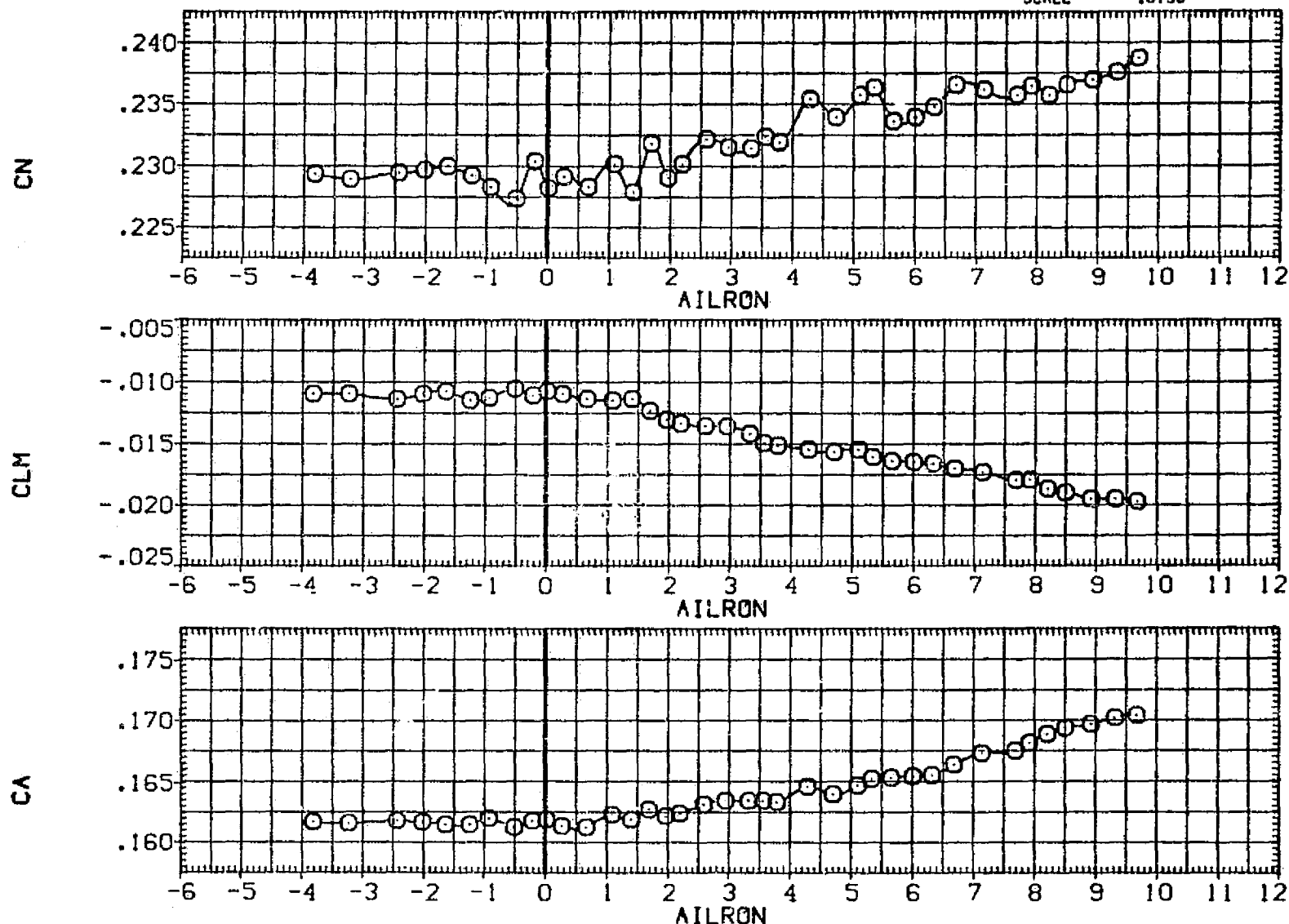


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD112)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.510	ALPHA	5.000	ELEVON	5.000
		SPDBRK	55.000	RN/L	8.000
		GRITNG	.000	RCSPQS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

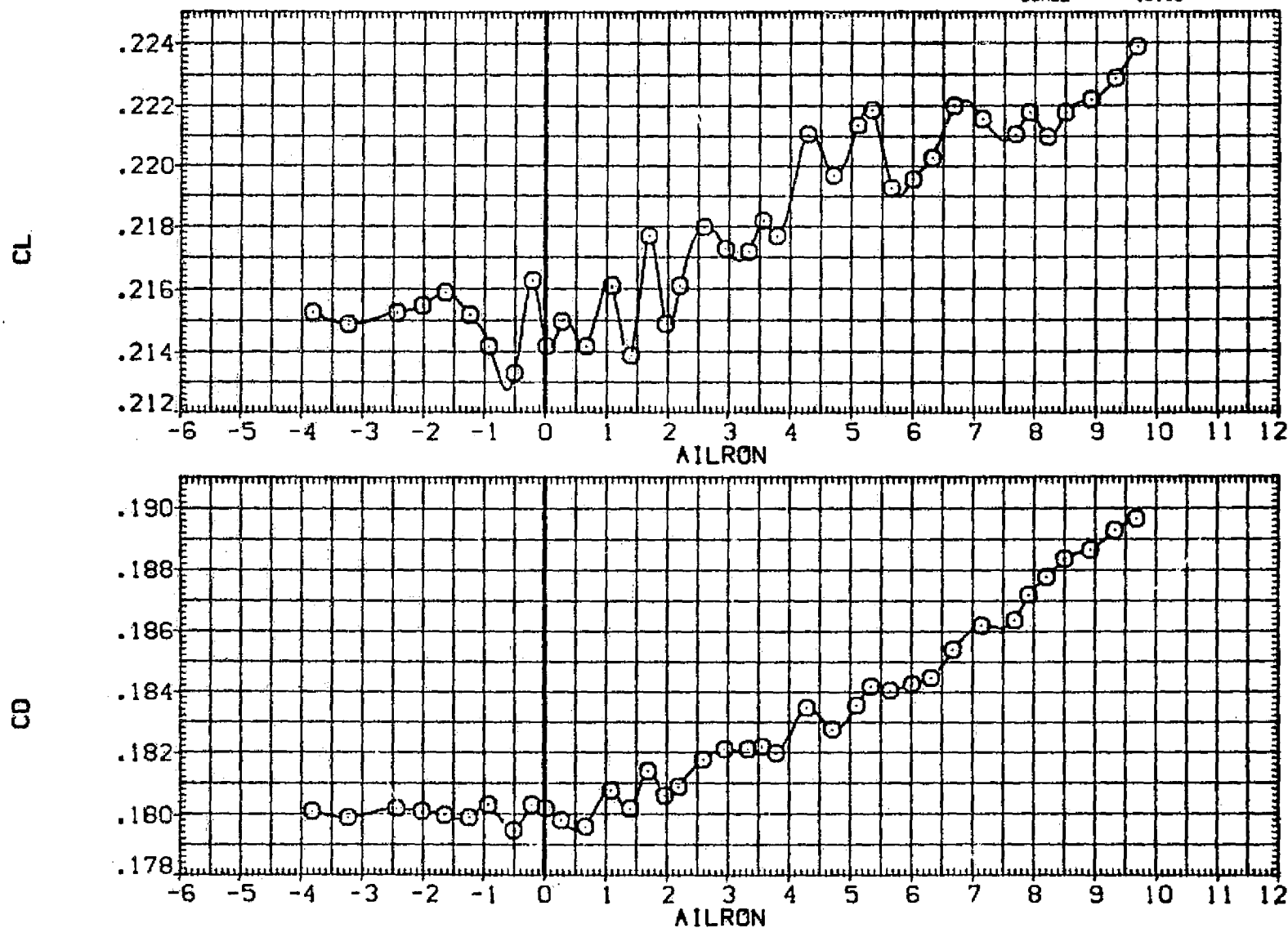


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES
○	1.510	ALPHA 5.000 ELEVON 5.000
		SPDBRK 55.000 RN/L 8.000
		GRITNO .000 RCSPDS 1.000
		BETA .000 BDFLAP .000
		RUDDER .000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

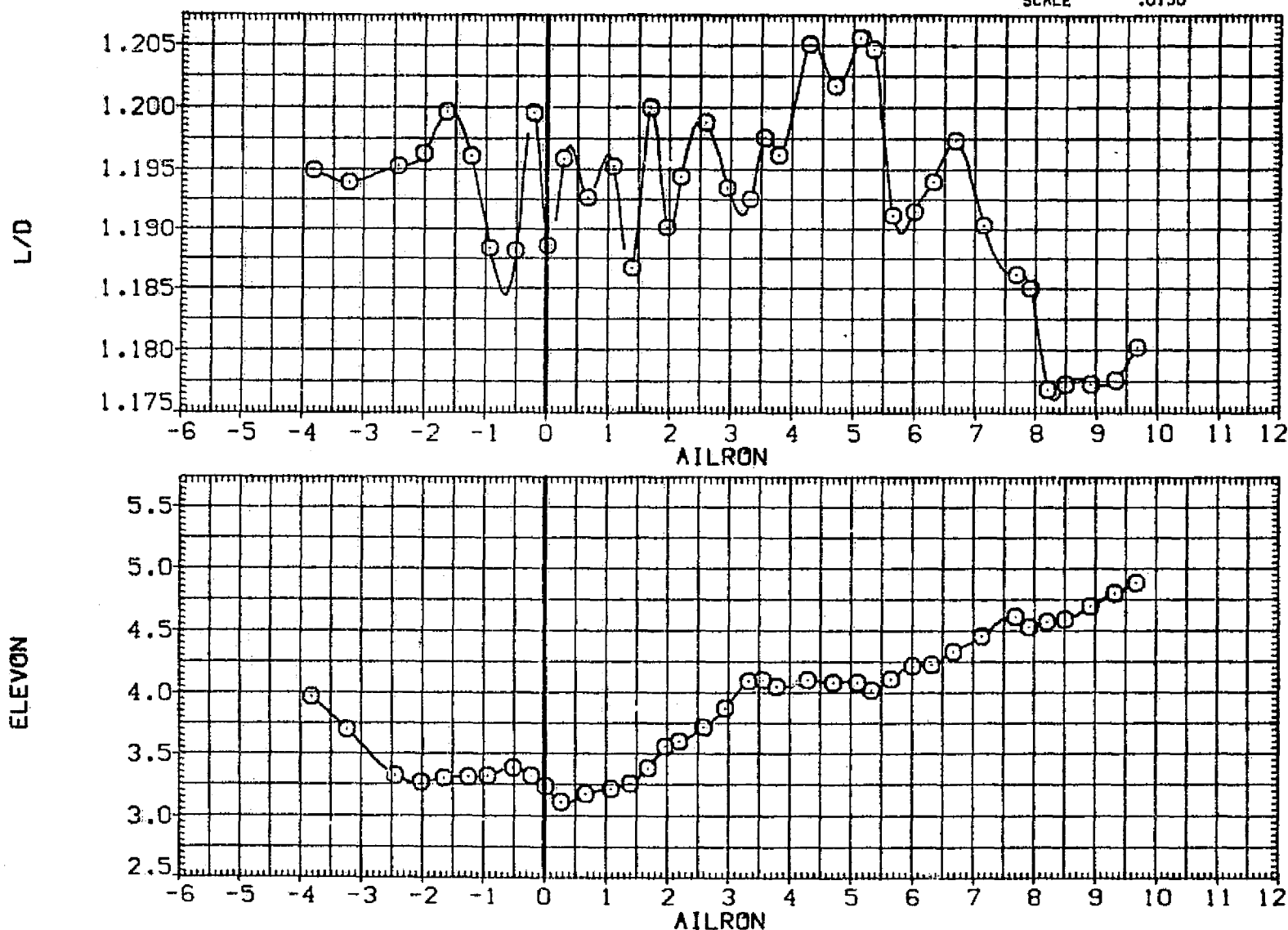


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD113)

SYMBOL
○MACH
1.510

PARAMETRIC VALUES			
ALPHA	5.000	ELEVON	-10.000
SPOBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BBFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

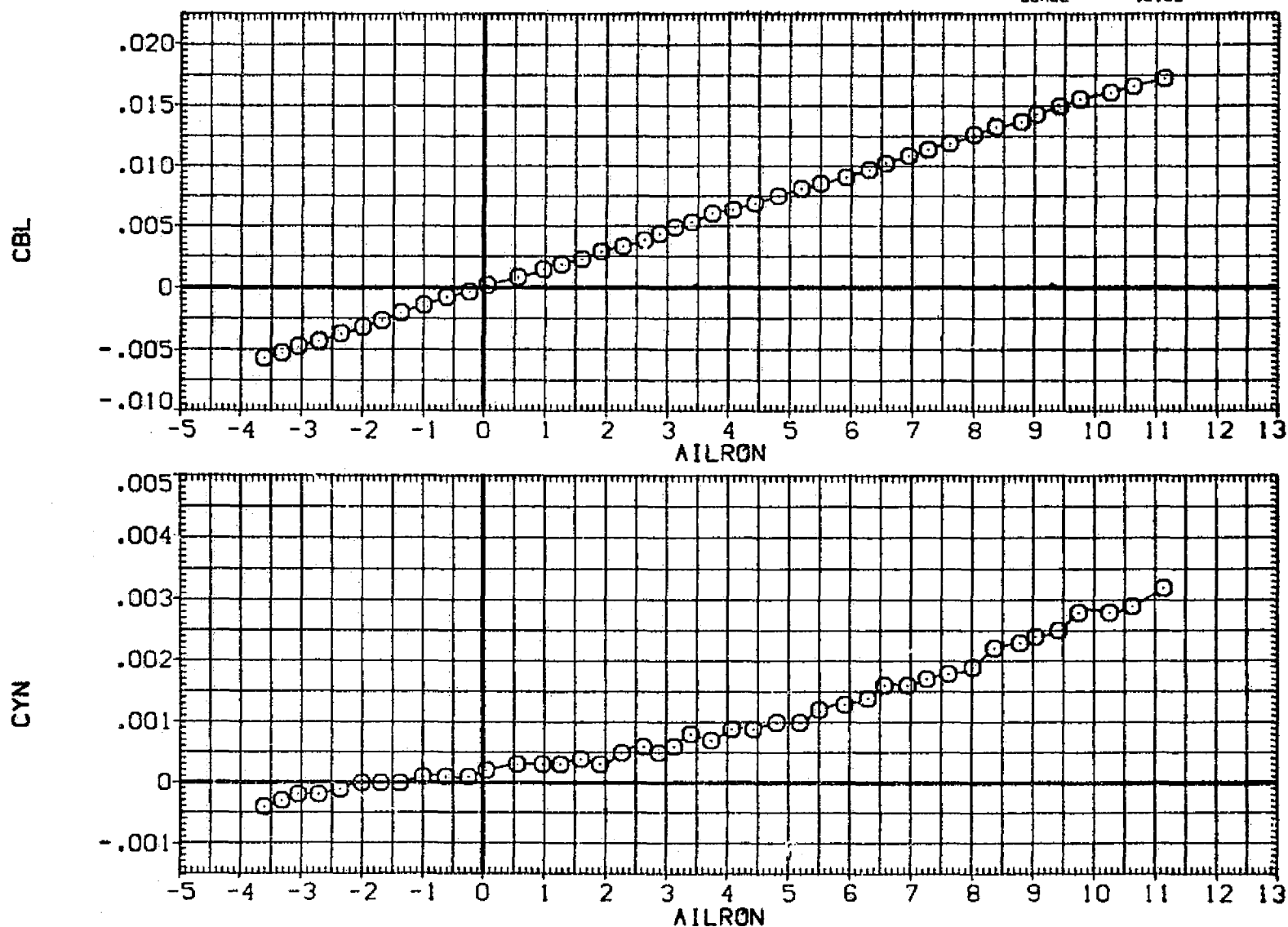


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.510	ALPHA	5.000	ELEVON	-10.000
		SPDBRK	55.000	RN/L	8.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	SDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

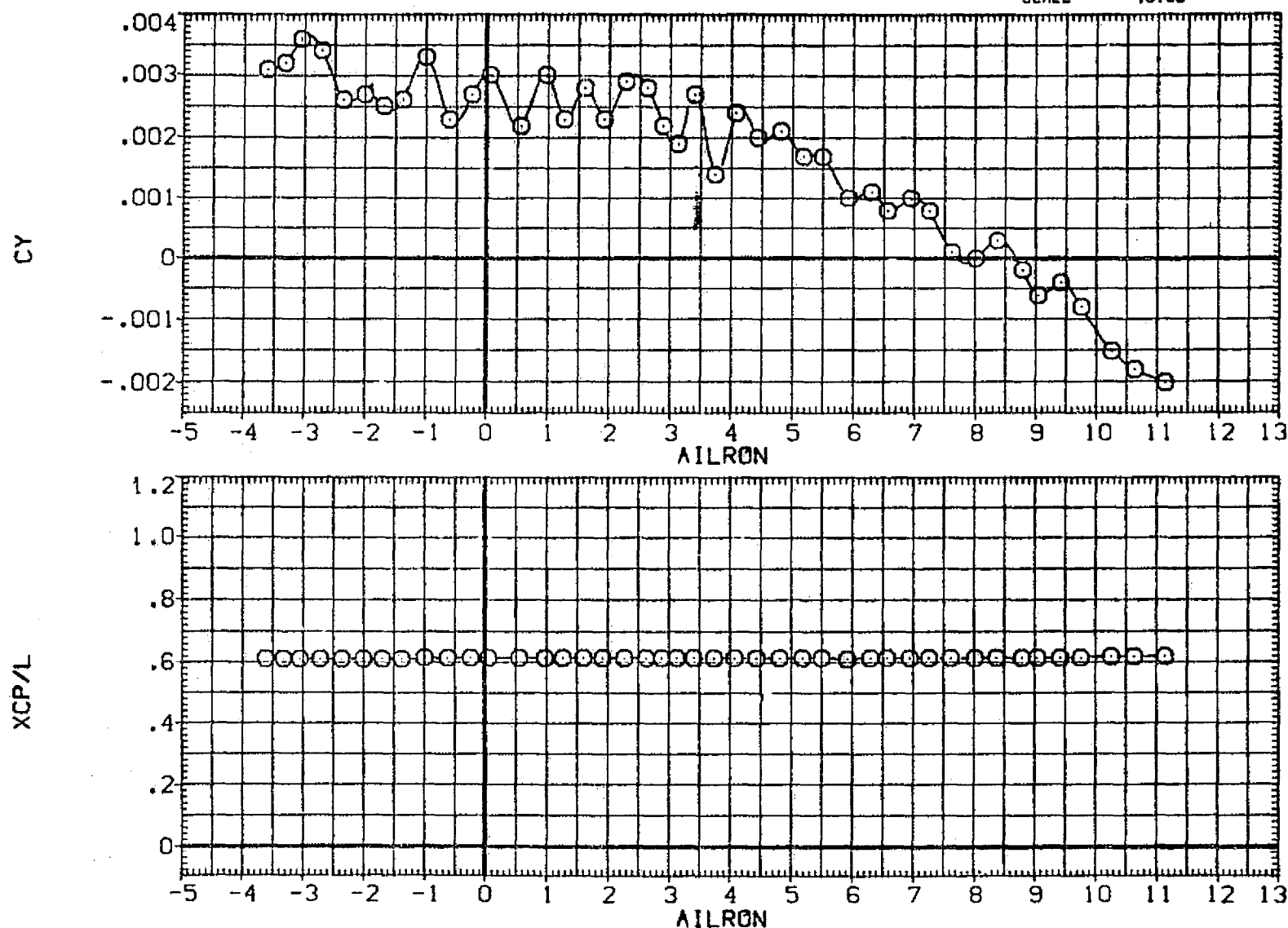


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD113)

SYMBOL
○MACH
1.510

PARAMETRIC VALUES			
ALPHA	5.000	ELEVON	-10.000
SPDBRK	55.000	RN/L	8.000
GRITND	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SG.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

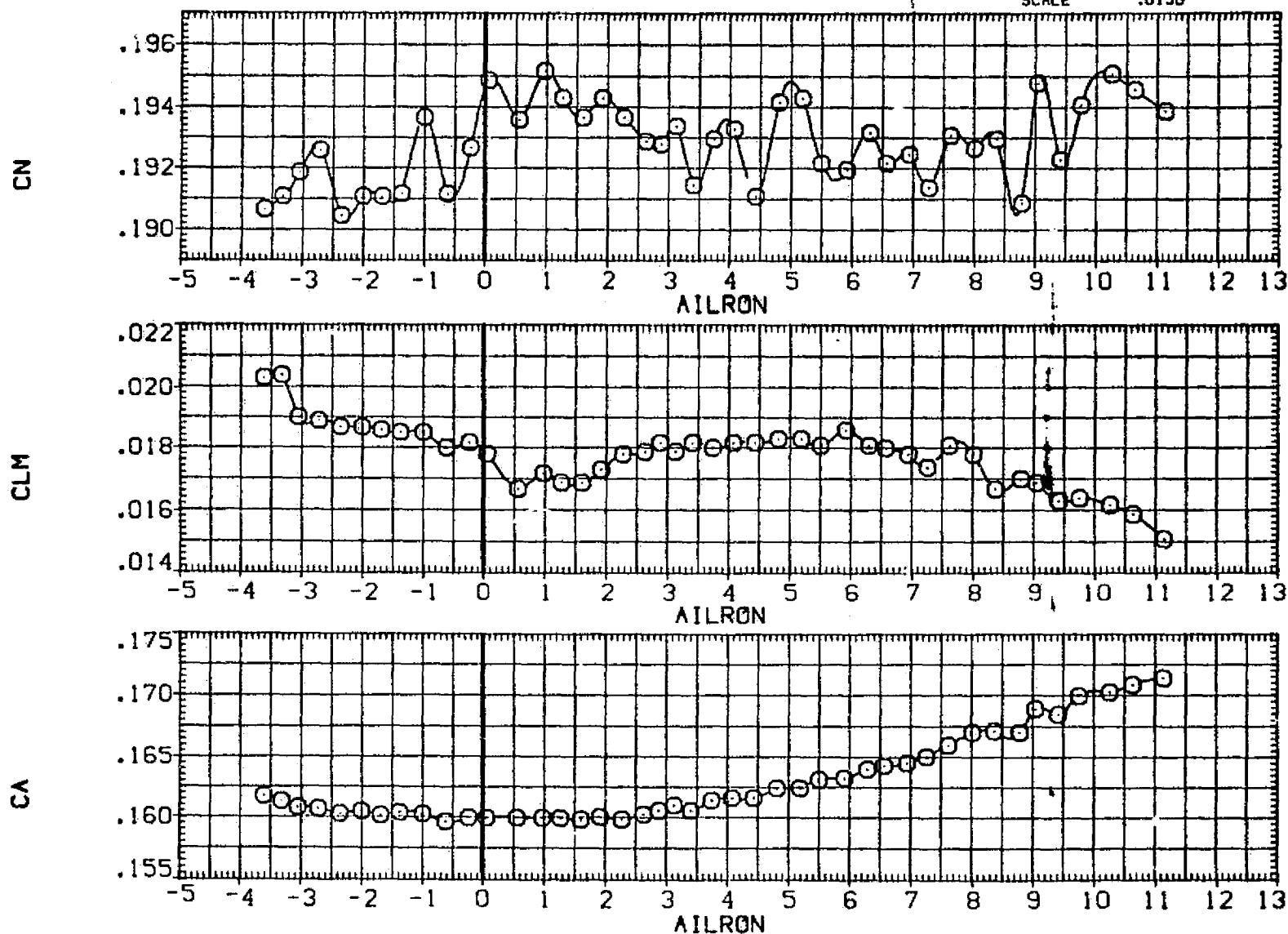


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
1.510

PARAMETRIC VALUES			
ALPHA	5.000	ELEVON	-10.000
SPOBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPOS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

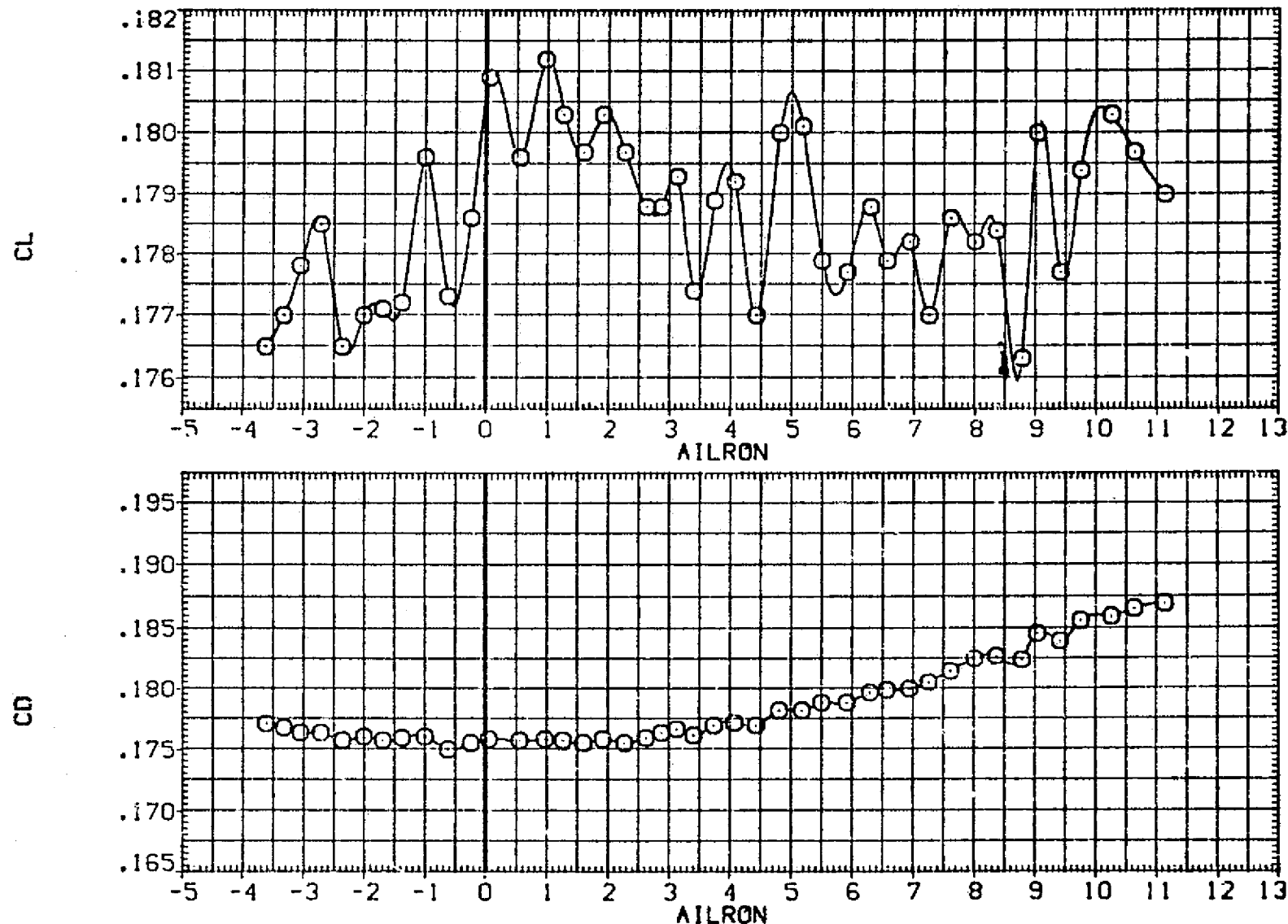


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD113)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.510	ALPHA	5.000	ELEVON	-10.000
		SPDBRK	55.000	RN/L	8.000
		GRITNO	.000	RCSPDS	1.000
		BETA	.000	BOFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

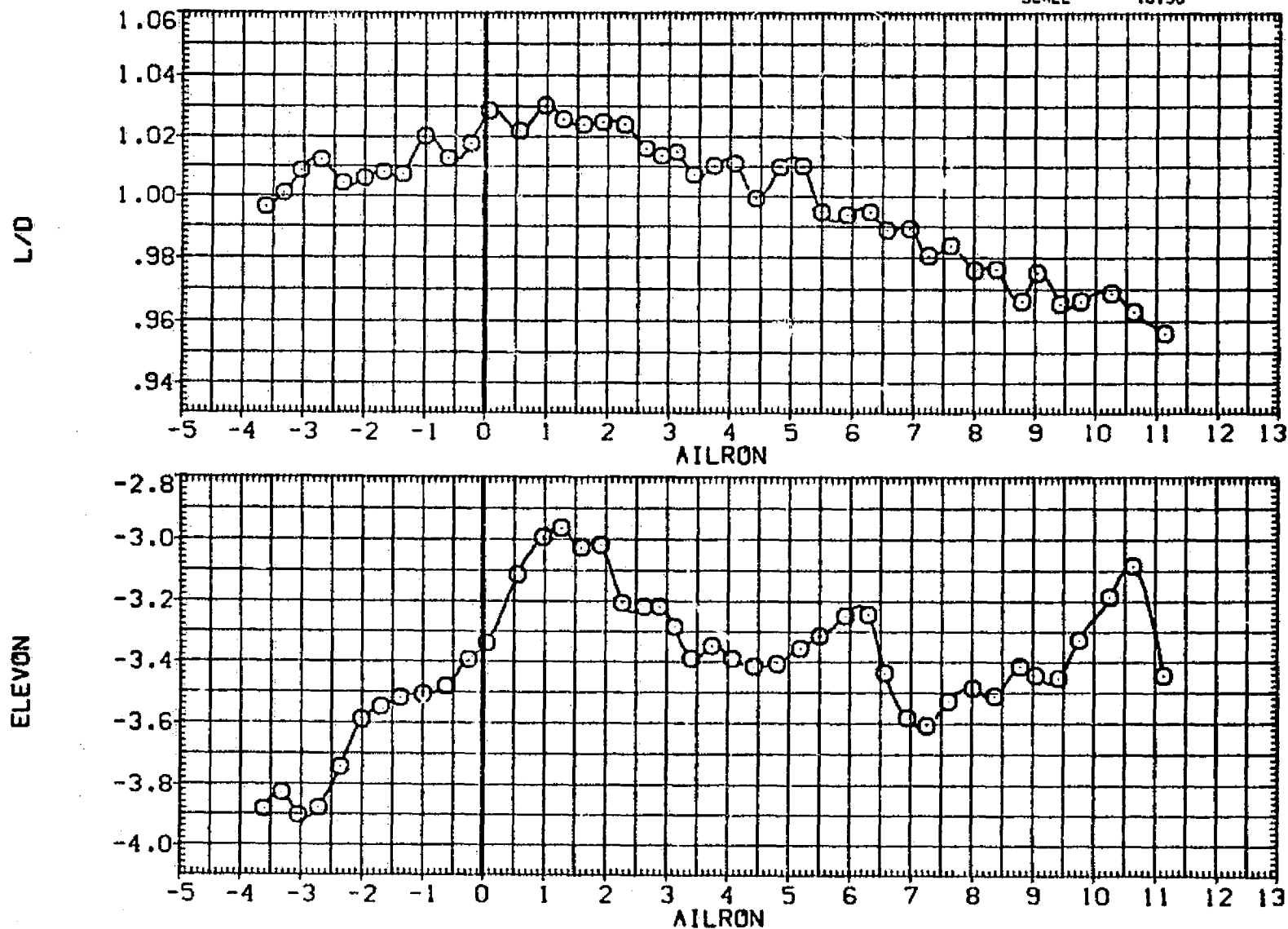


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.510	ALPHA	10.000	ELEVON	.000
		SPDRK	55.000	RN/L	8.000
		GRITNO	.000	RCSPDS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

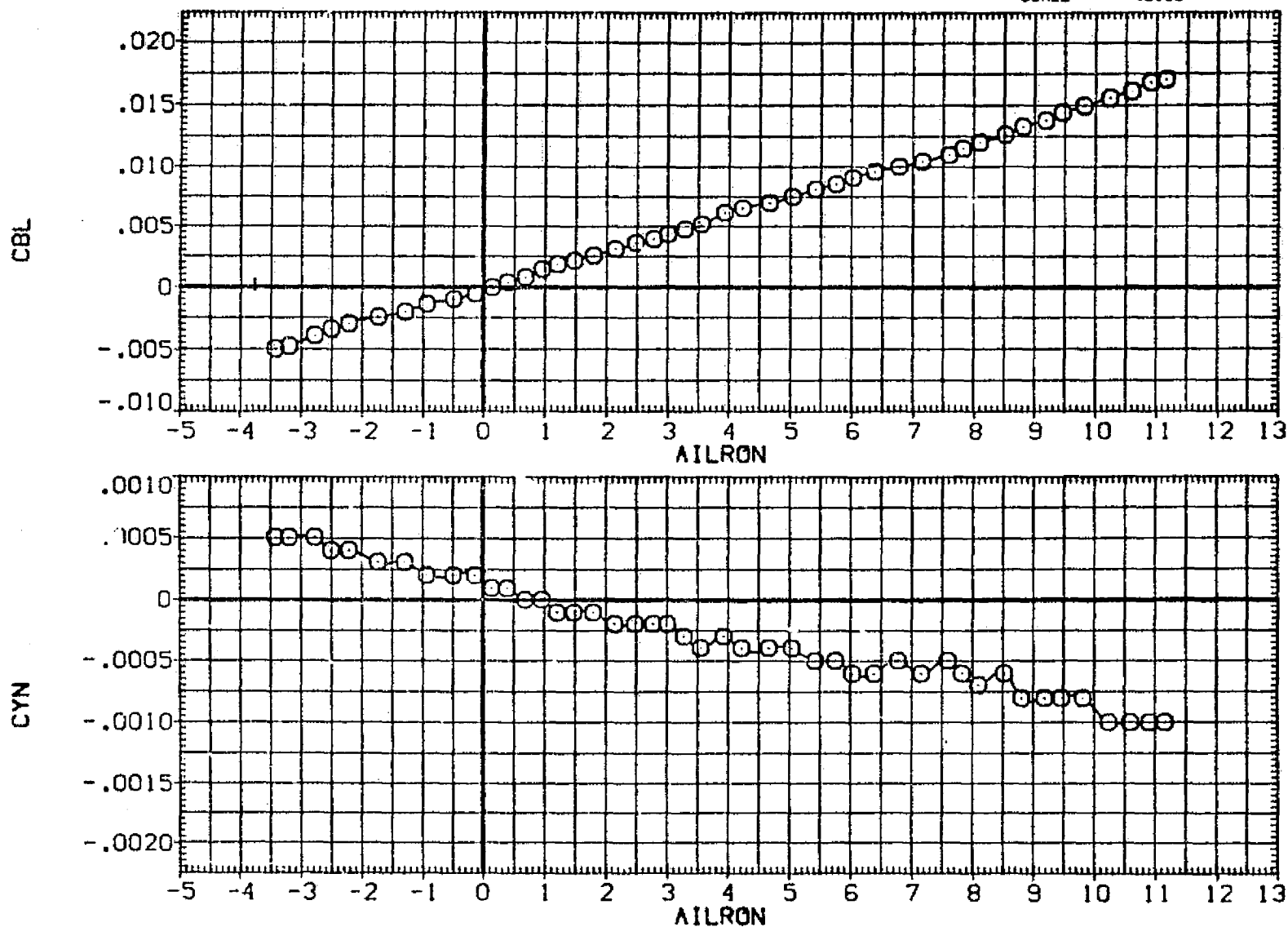


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD114)

SYMBOL
○MACH
1.510

PARAMETRIC VALUES

ALPHA	10.000	ELEVON	.000
SPDBRK	55.000	RN/L	8.000
GRITND	.000	RCSPDS	1.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMHP	1076.7000	IN. X0
YMHP	.0000	IN. Y0
ZMHP	375.0000	IN. Z0
SCALE	.0150	

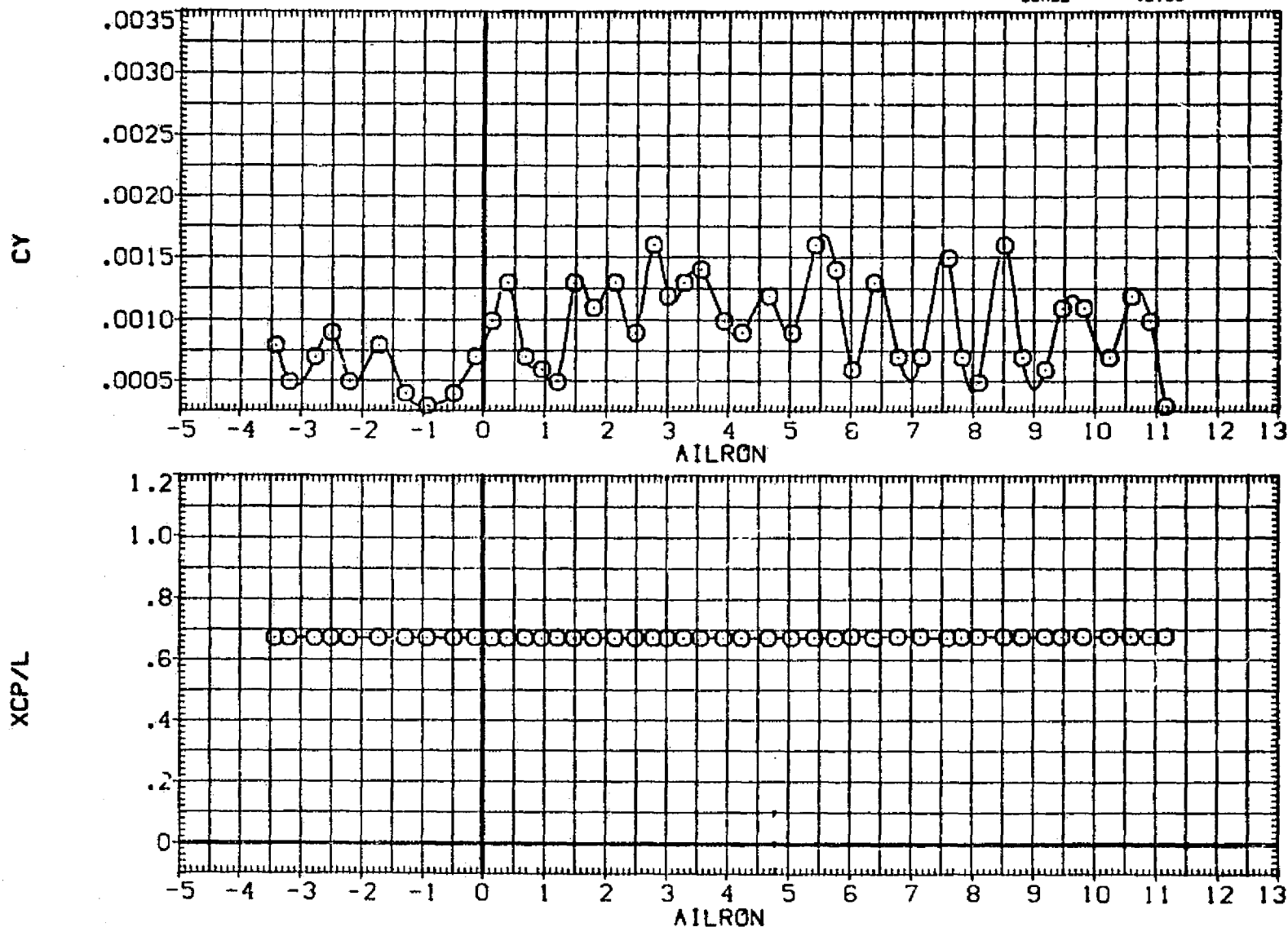


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	1.510	ALPHA	10.000	ELEVON	.000	SREF	2690.0000	50.FT.
		SPDBRK	55.000	RN/L	8.000	LREF	474.8000	INCHES
		GRITNG	.000	RCSPDS	1.000	BREF	936.7000	INCHES
		BETA	.000	BDFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

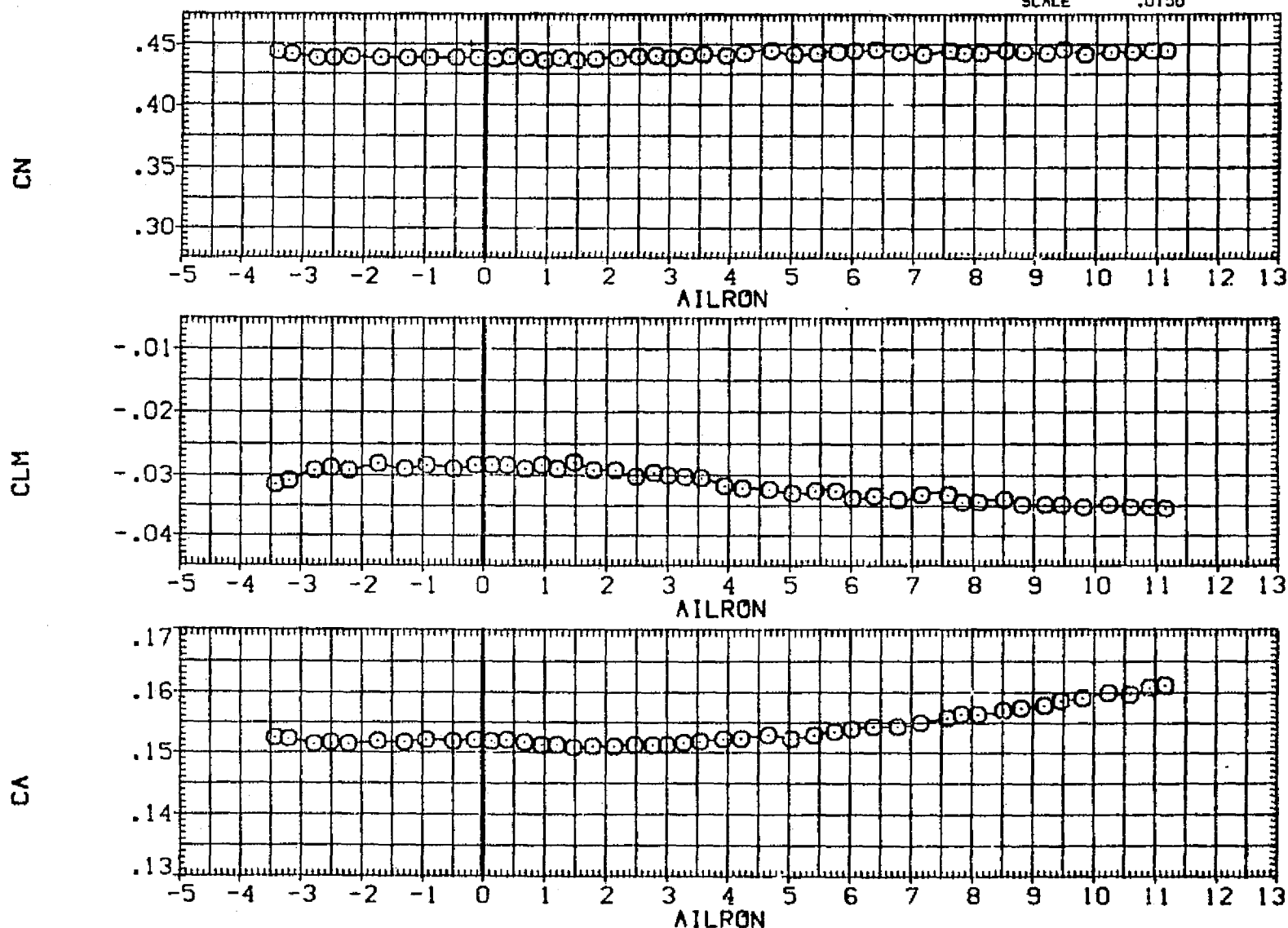


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD114)

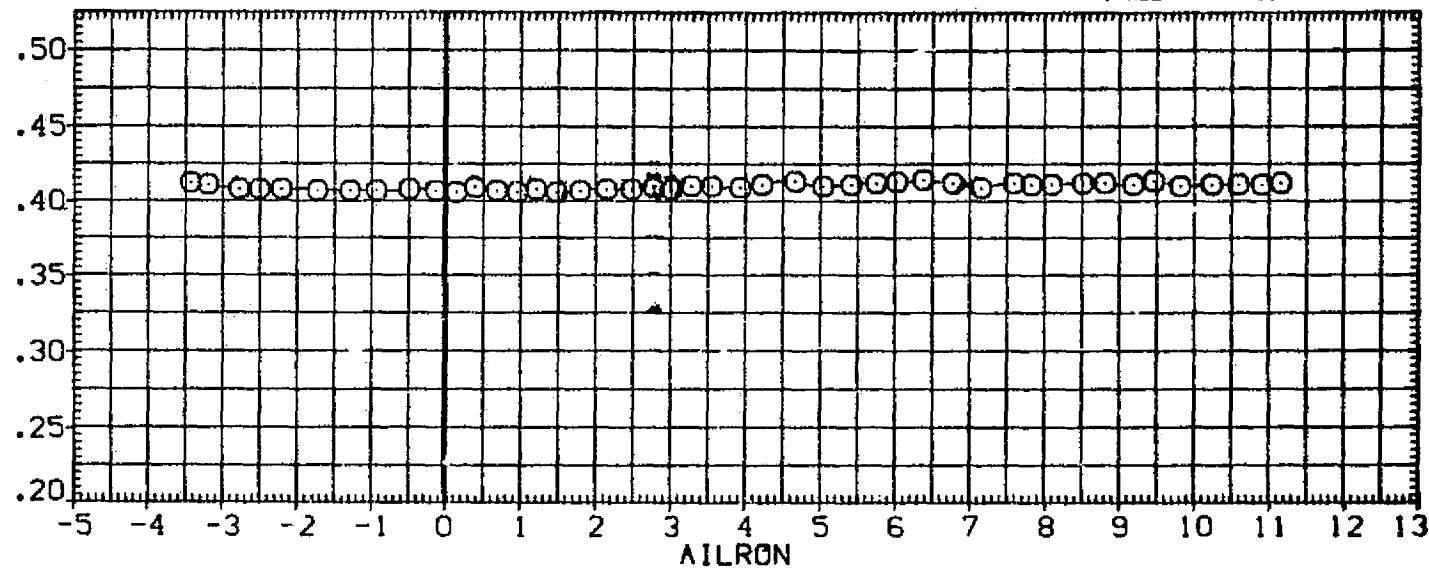
SYMBOL
OMACH
1.510

PARAMETRIC VALUES			
ALPHA	10.000	ELEVON	.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



CD

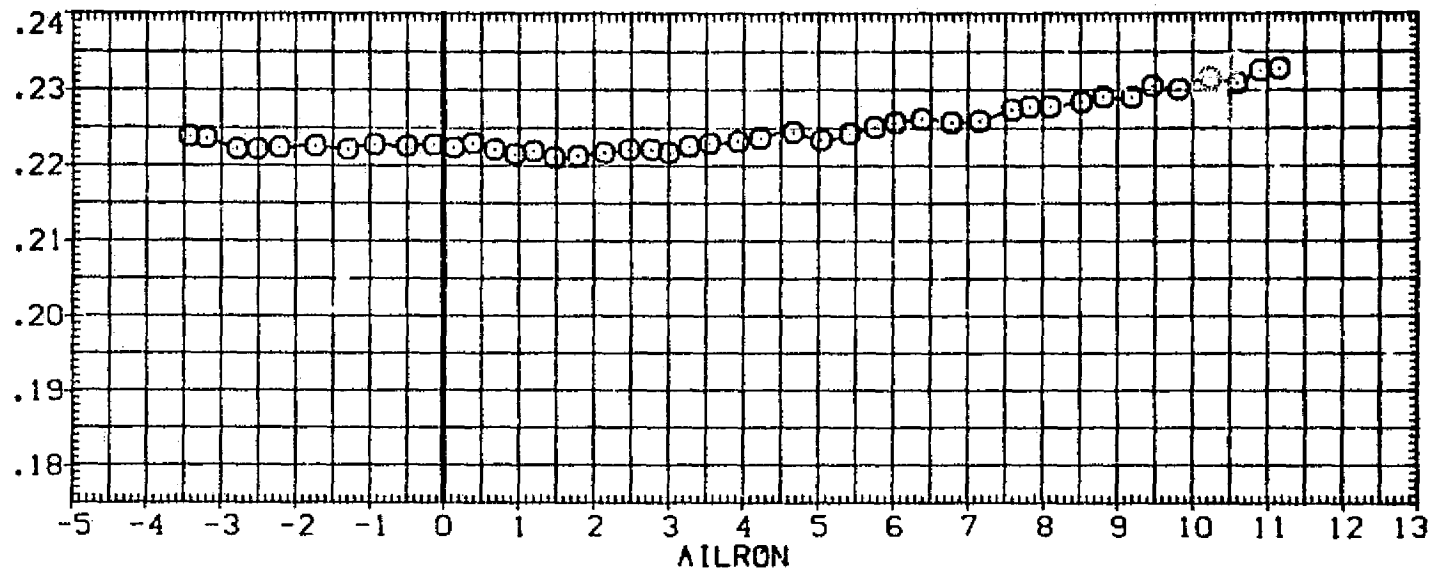


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	1.510	A-PHA	10.000	ELEVON	.000	SREF	2690.0000	50. FT.
		SPDBRK	55.000	RN/L	8.000	LREF	474.8000	INCHES
		GRITNO	.000	RCSPOS	1.000	BREF	936.7000	INCHES
		BETA	.000	BDFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

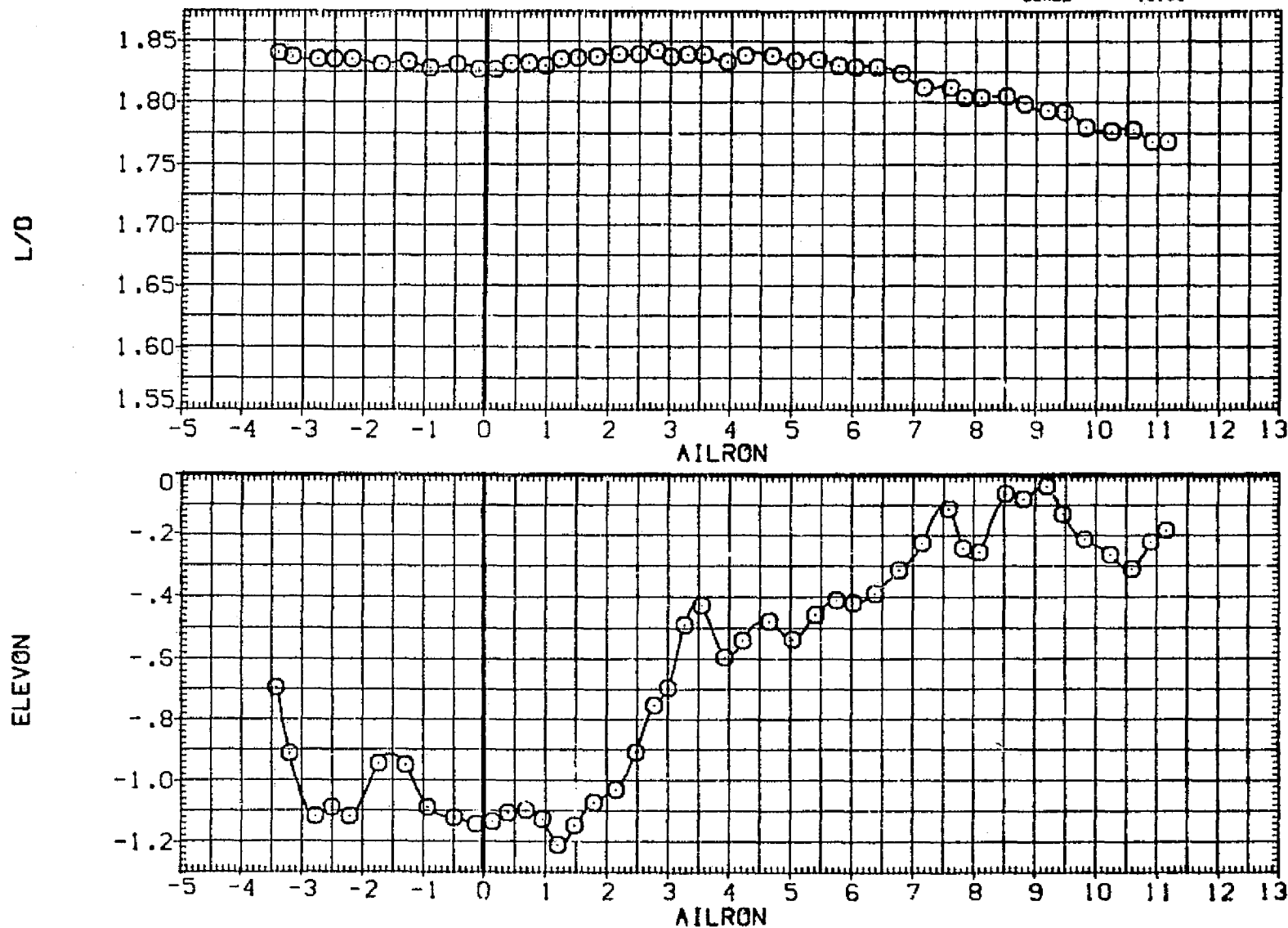


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD115)

SYMBOL
○MACH
1.510

PARAMETRIC VALUES	
ALPHA	10.000
SPOBRK	55.000
GRITNO	.000
BETA	.000
RUDDER	.000

ELEVON	5.000
RN/L	8.000
RCSP05	1.000
BDFLAP	.000

REFERENCE INFORMATION

%REF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

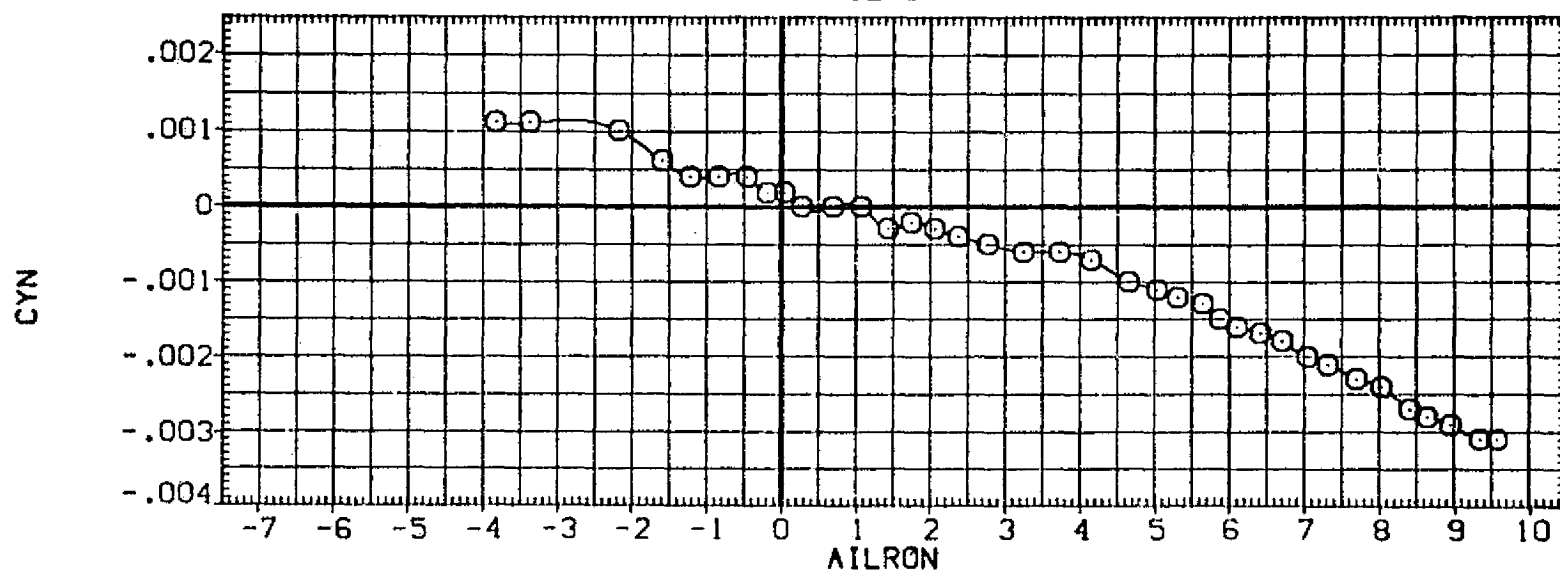
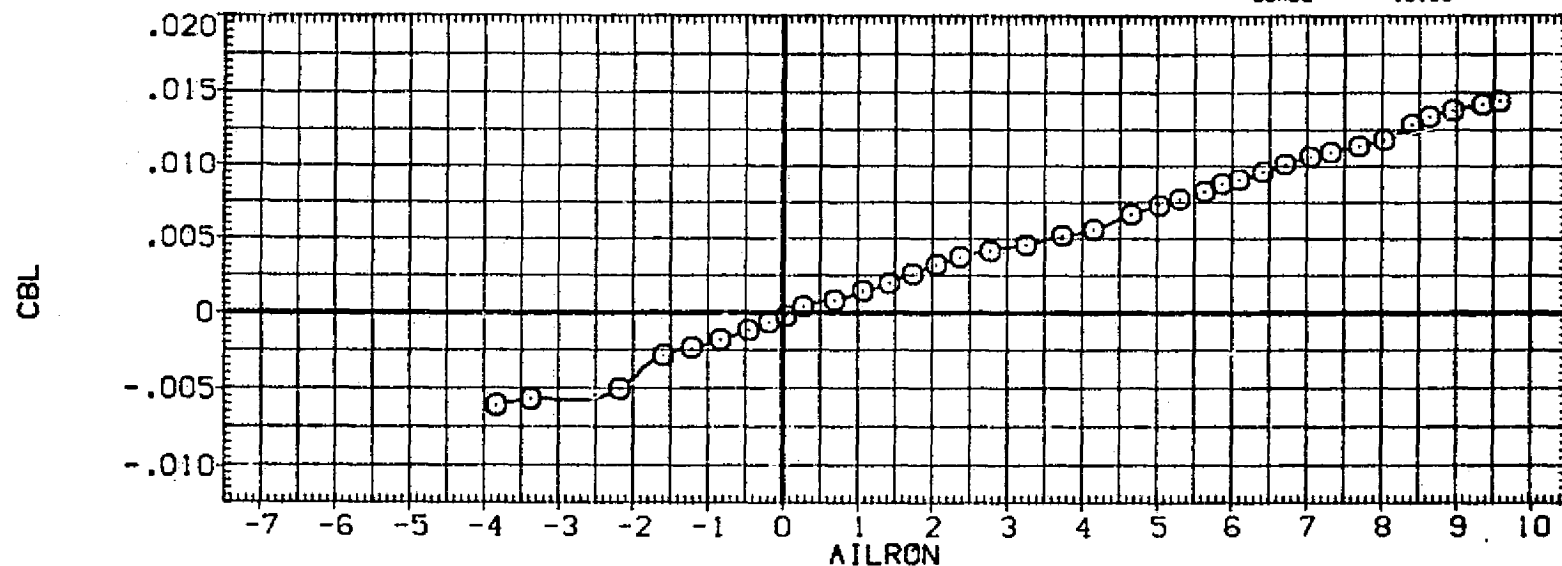


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL

MACH
1.510

PARAMETRIC VALUES

ALPHA	10.000	ELEVON	5.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

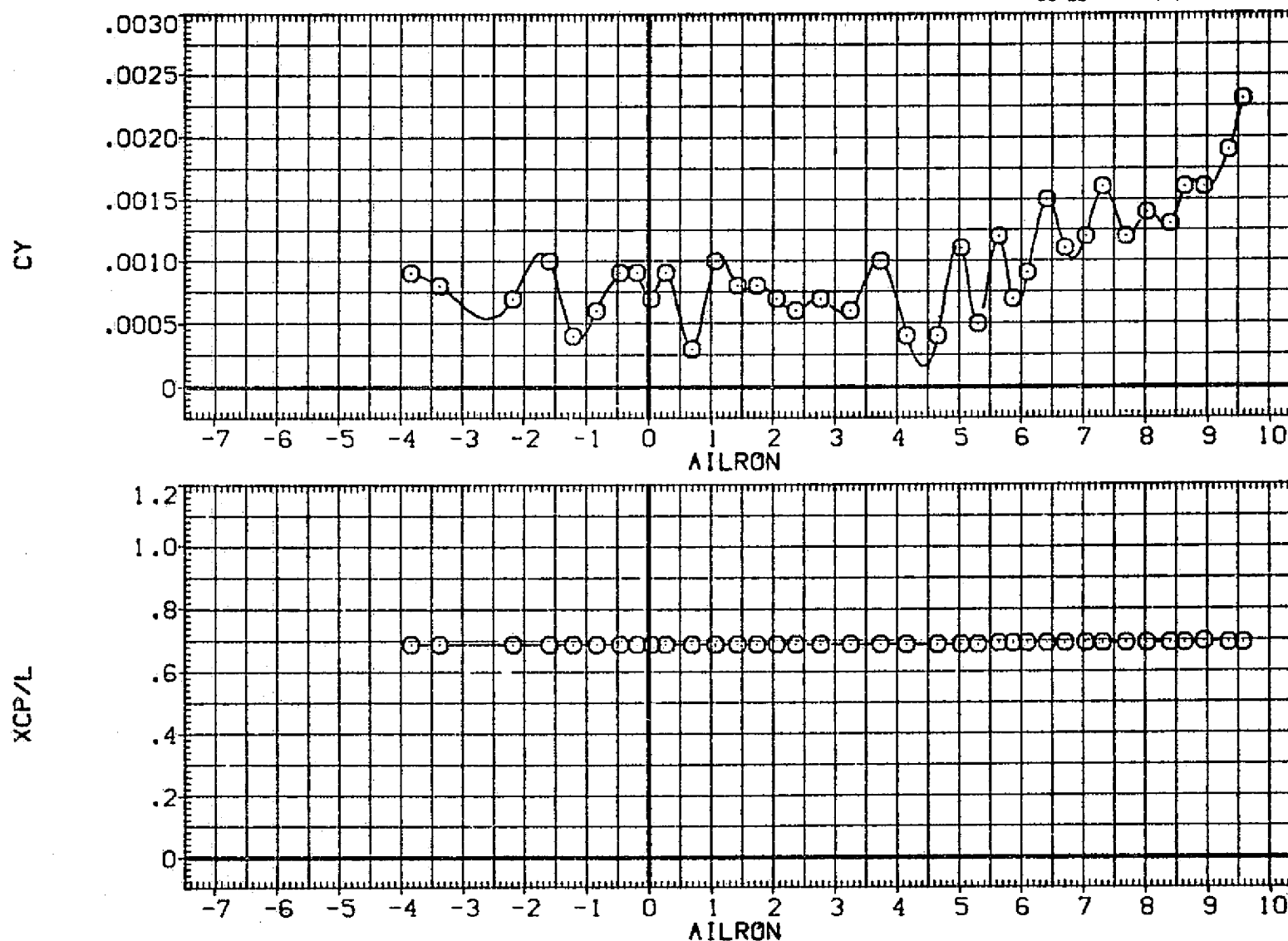


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD115)

SYMBOL
○MACH
1.510

PARAMETRIC VALUES

ALPHA	10.000	ELEVON	5.000
SPOBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

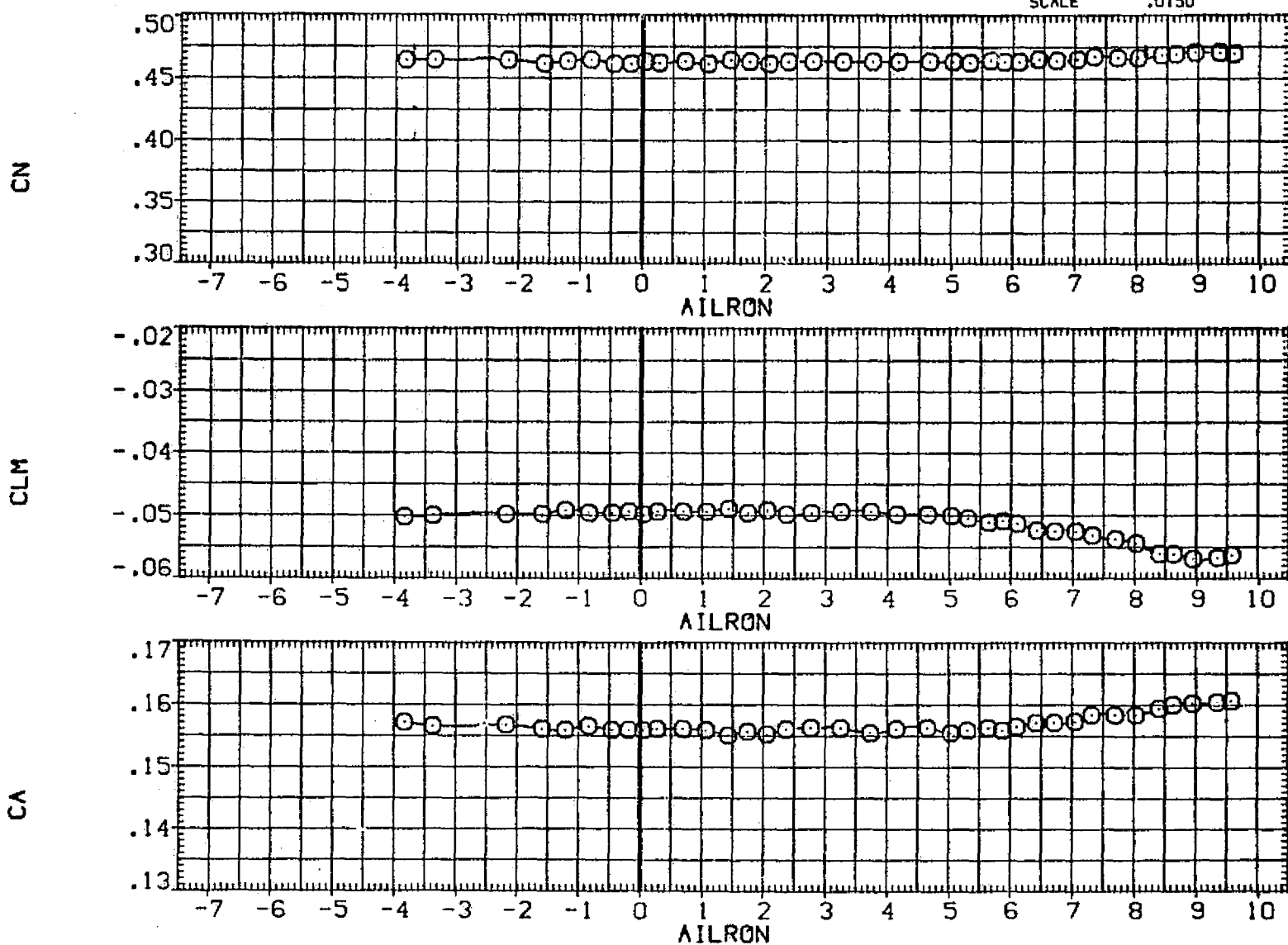


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL

O

MACH

1.510

ALPHA

PARAMETRIC VALUES

10.000

ELEVON

5.000

SPDBRK

55.000

RN/L

8.000

GRITNO

.000

RCSPOS

1.000

BETA

.000

BDFLAP

.000

RUDDER

.000

REFERENCE INFORMATION

SREF 2690.0000

50. FT.

LREF 474.8000

INCHES

BREF 936.7000

INCHES

XMRP 1076.7000

IN. X0

YMRP .0000

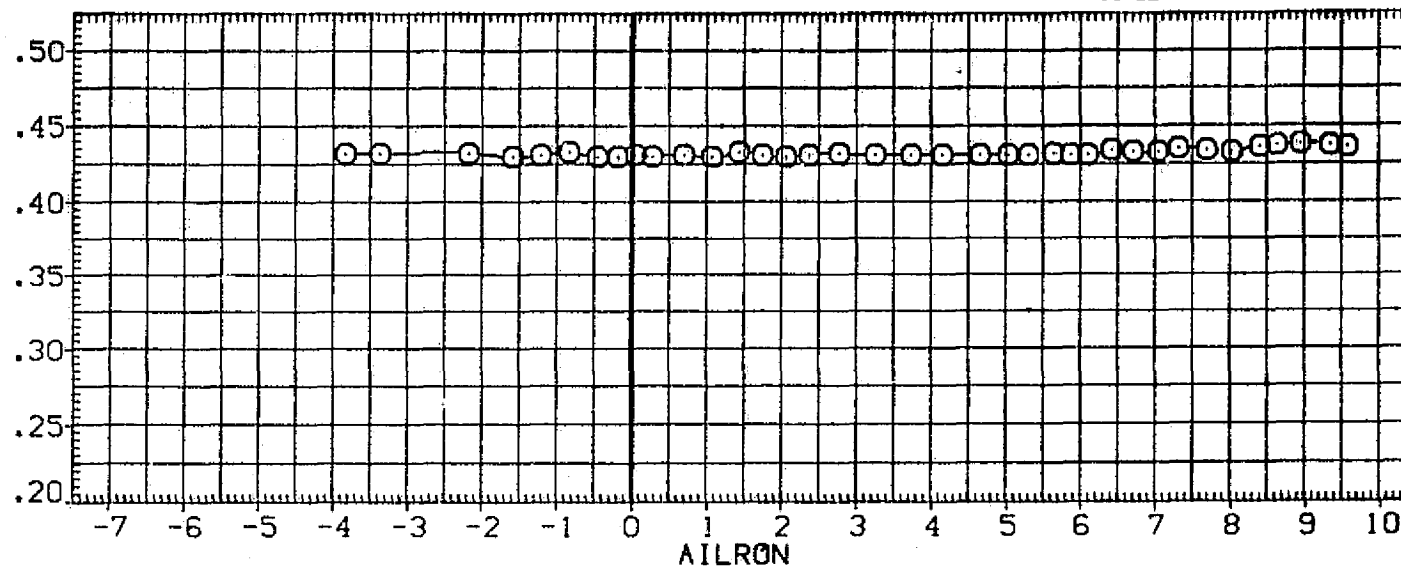
IN. Y0

ZMRP 375.0000

IN. Z0

SCALE .0150

CL



CD

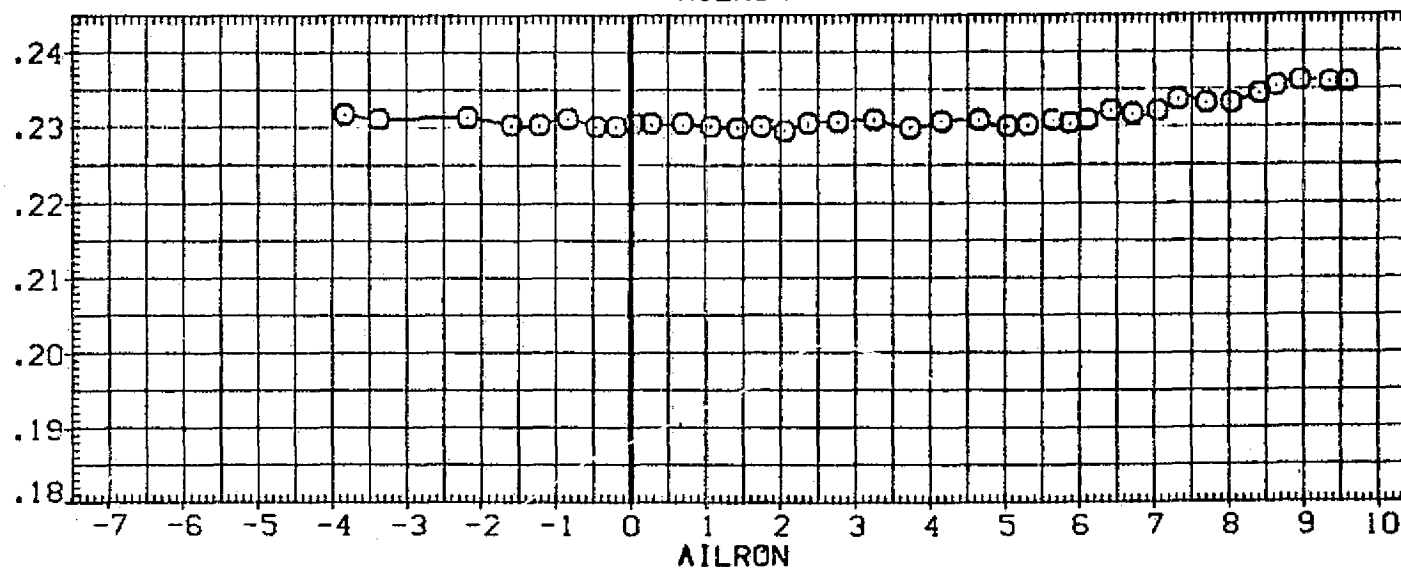


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LAG7 (LTV 552) ORBITER 19-0

(SFD115)

SYMBOL
○MACH
1.510

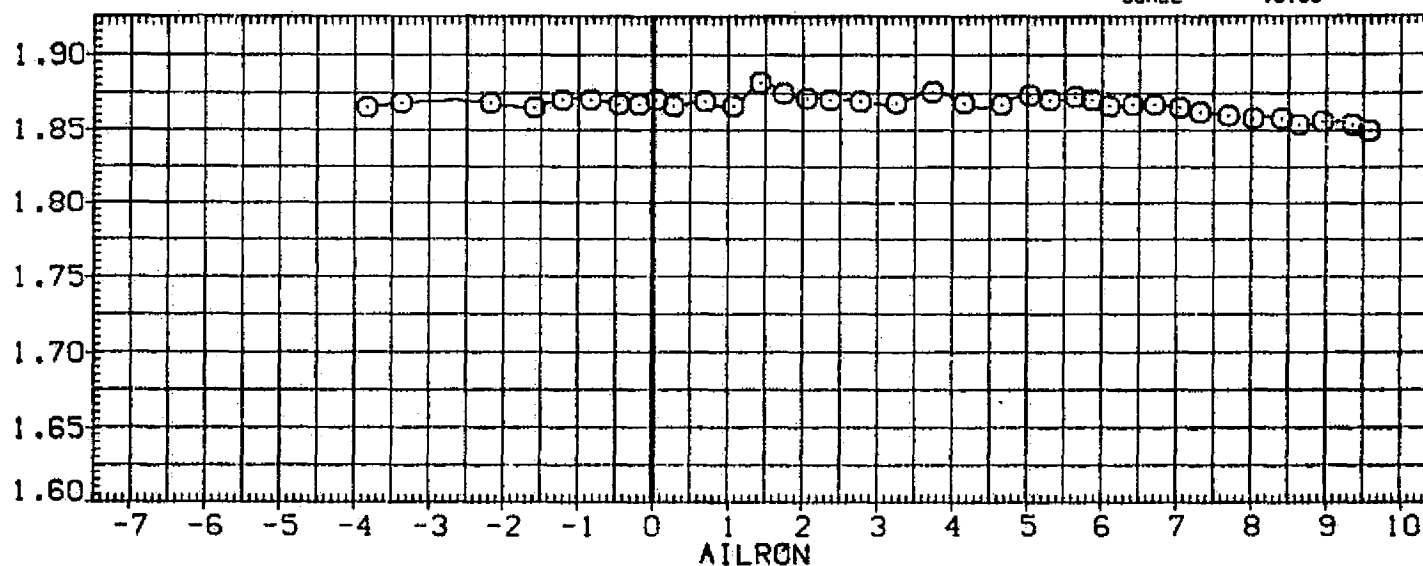
PARAMETRIC VALUES	
ALPHA	10.000
SPDBRK	55.000
GRITND	.000
BETA	.000
RUDDER	.000

PARAMETRIC VALUES	
ELEVON	5.000
RN/L	8.000
RCSP05	1.000
BDFLAP	.000

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

L/D



ELEVON

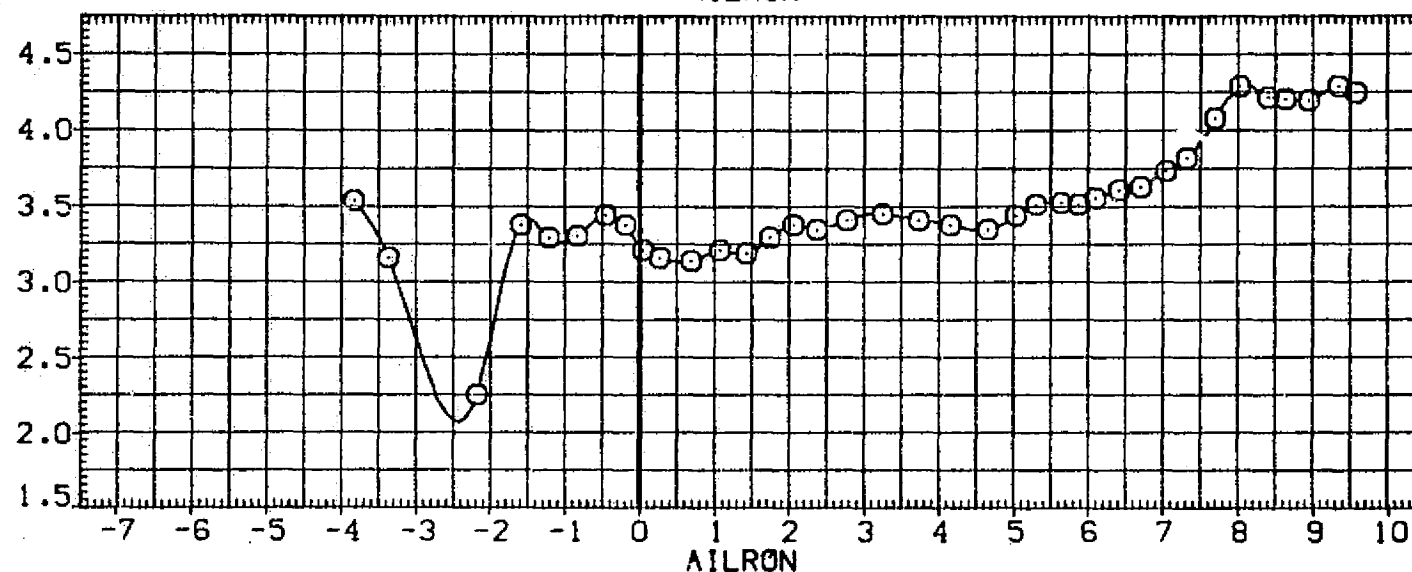
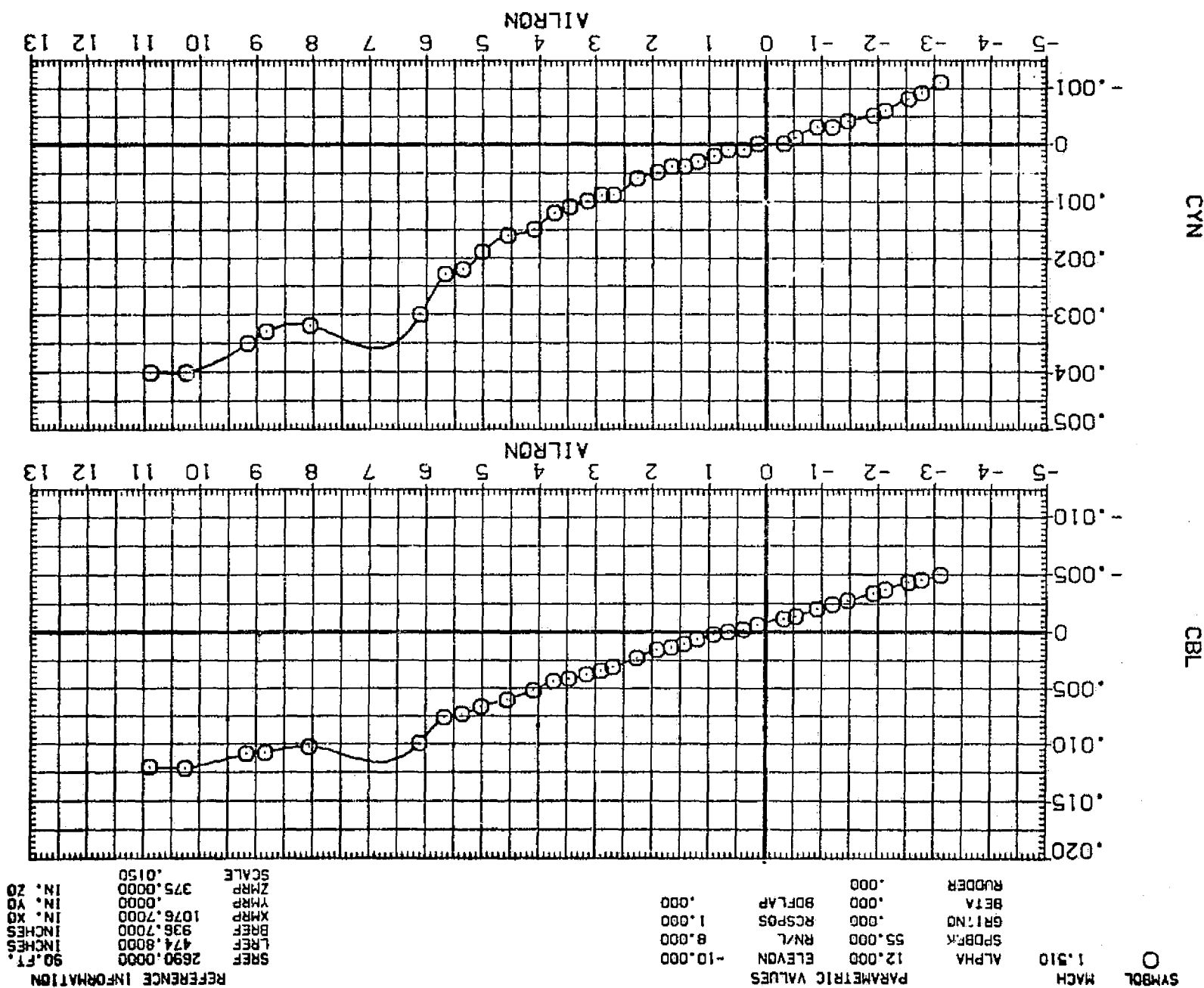


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS



(AFD116)

LA67 (LTV 552) ORBITER 49-0

REFERENCE INFORMATION	
SREF	2690.0000
LREF	474.8000
BRF	936.7000
YMRP	1076.7000
ZMRP	375.0000
SCALE	.0150

PARAMETRIC VALUES	
ALPHA	12.000
SPDRFK	55.000
GRIND	.000
BETA	.000
RUDDER	.000
ELEVON	8.000
RN/L	1.000
RCSFOS	.000
BDFLAP	.000

LA67 (LTV 552) ORBITER 49-0

(AFD116)

SYMBOL
○MACH
1.510

PARAMETRIC VALUES			
ALPHA	12.000	ELEVON	-10.000
SPOBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

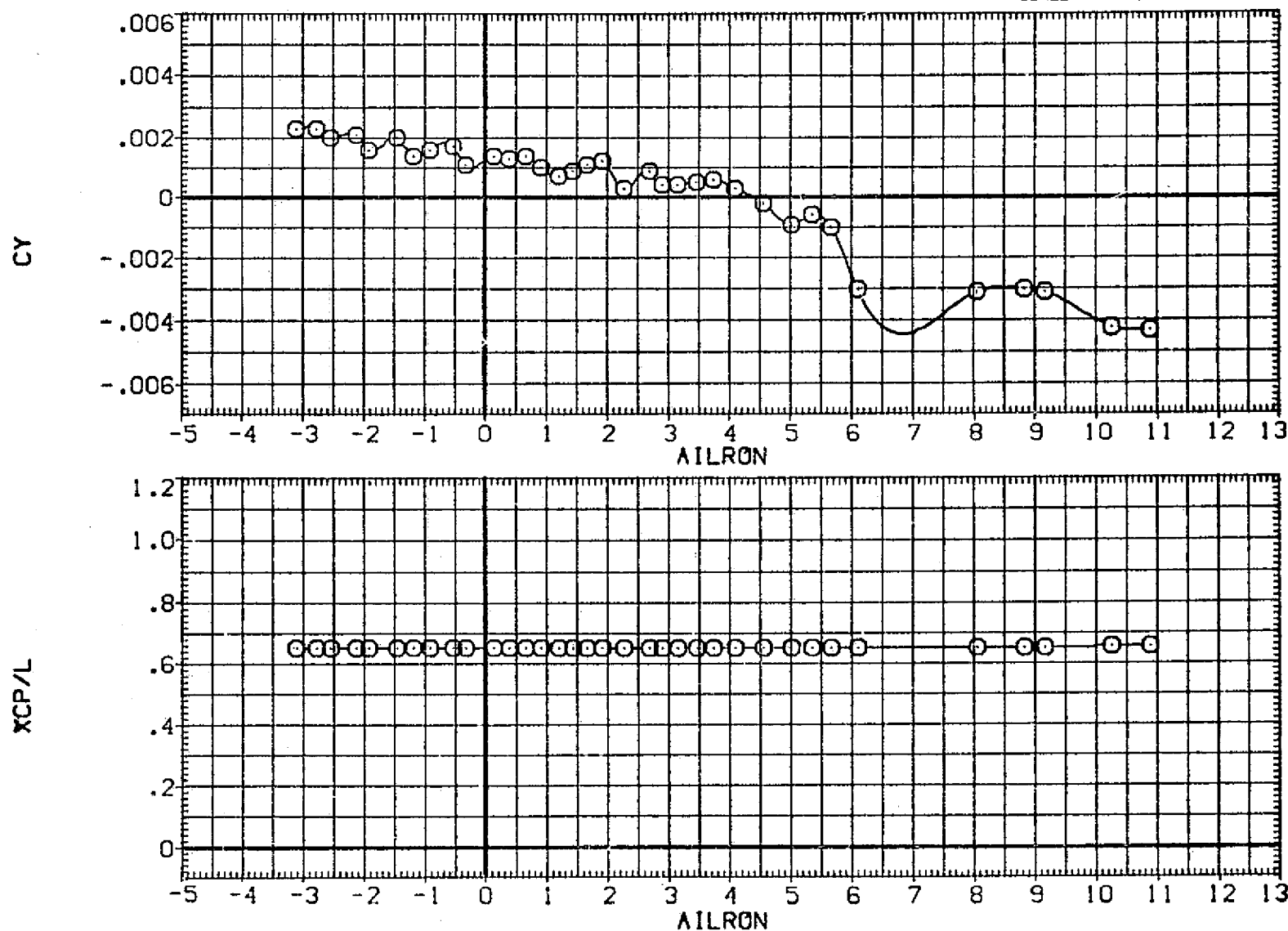


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
1.510

PARAMETRIC VALUES

ALPHA	12.000	ELEVON	-10.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPOS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7300	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

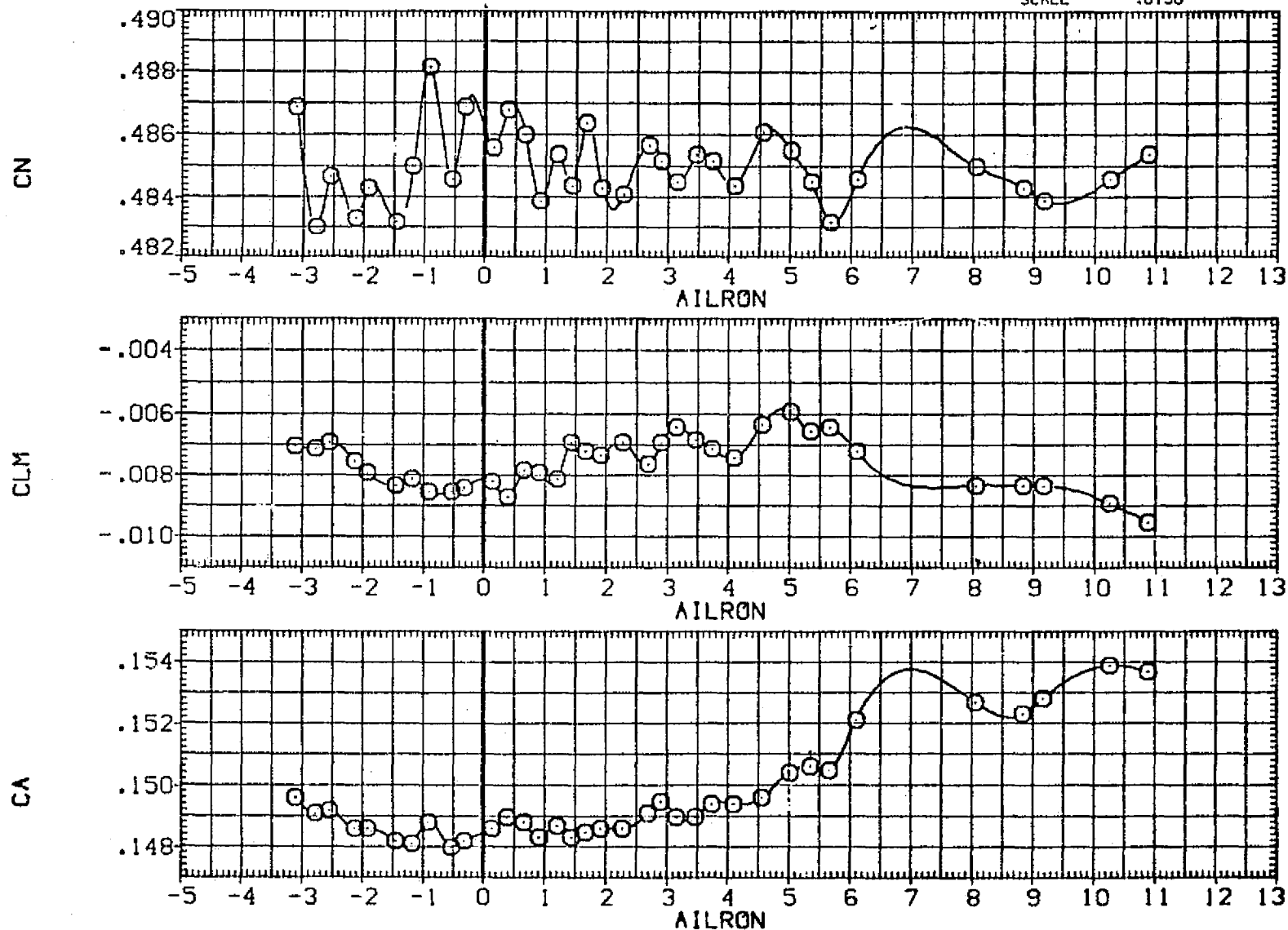


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD116)

SYMBOL
OMACH
1.510

PARAMETRIC VALUES			
ALPHA	12.000	ELEVON	-10.000
SPOBRK	55.000	RN/L	8.000
GRITND	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

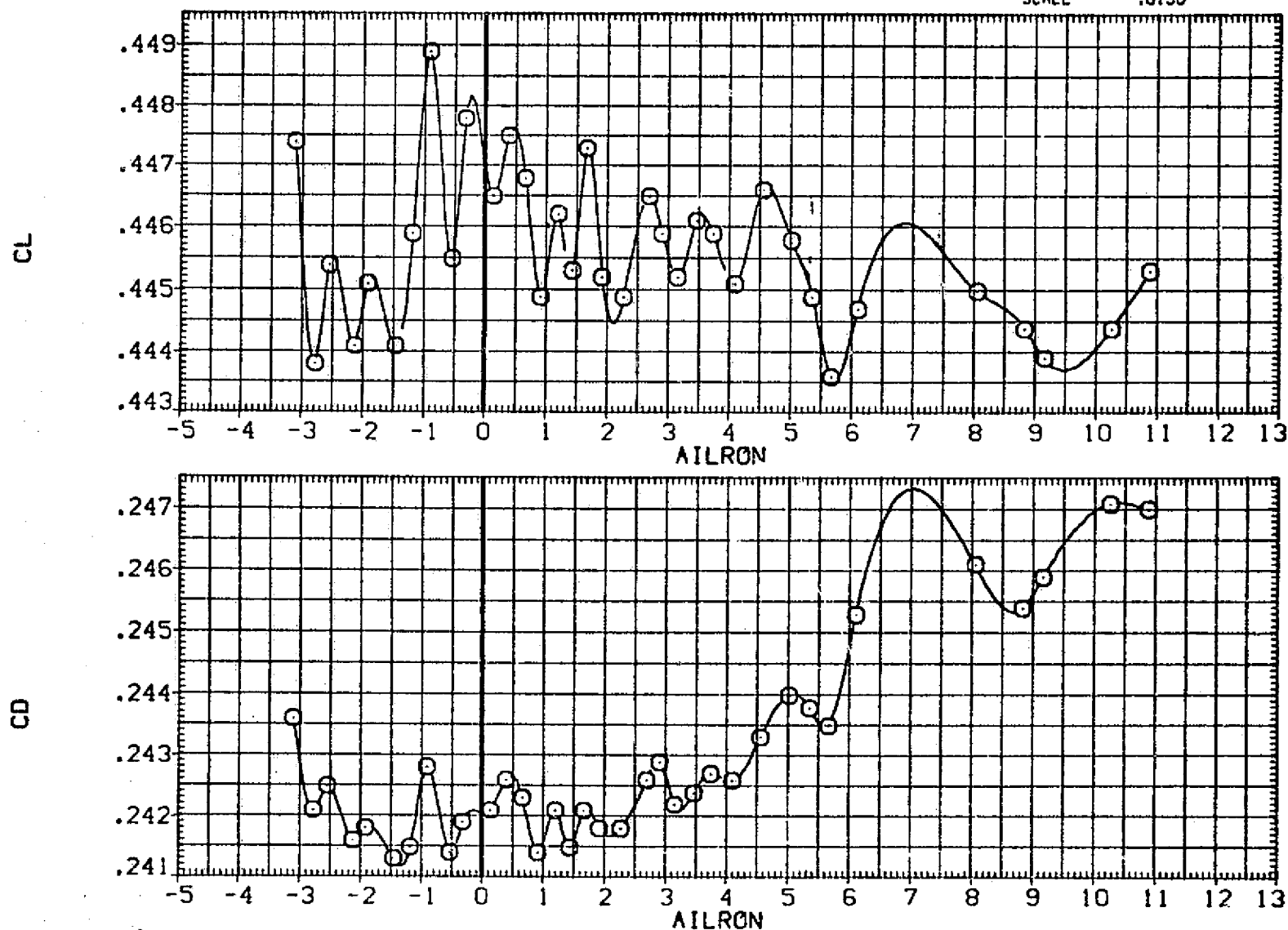


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
OMACH
1.510

PARAMETRIC VALUES			
ALPHA	12.000	ELEVON	-10.000
SPDBRK	55.000	RN/L	8.000
GRITNG	.000	RCS-OS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

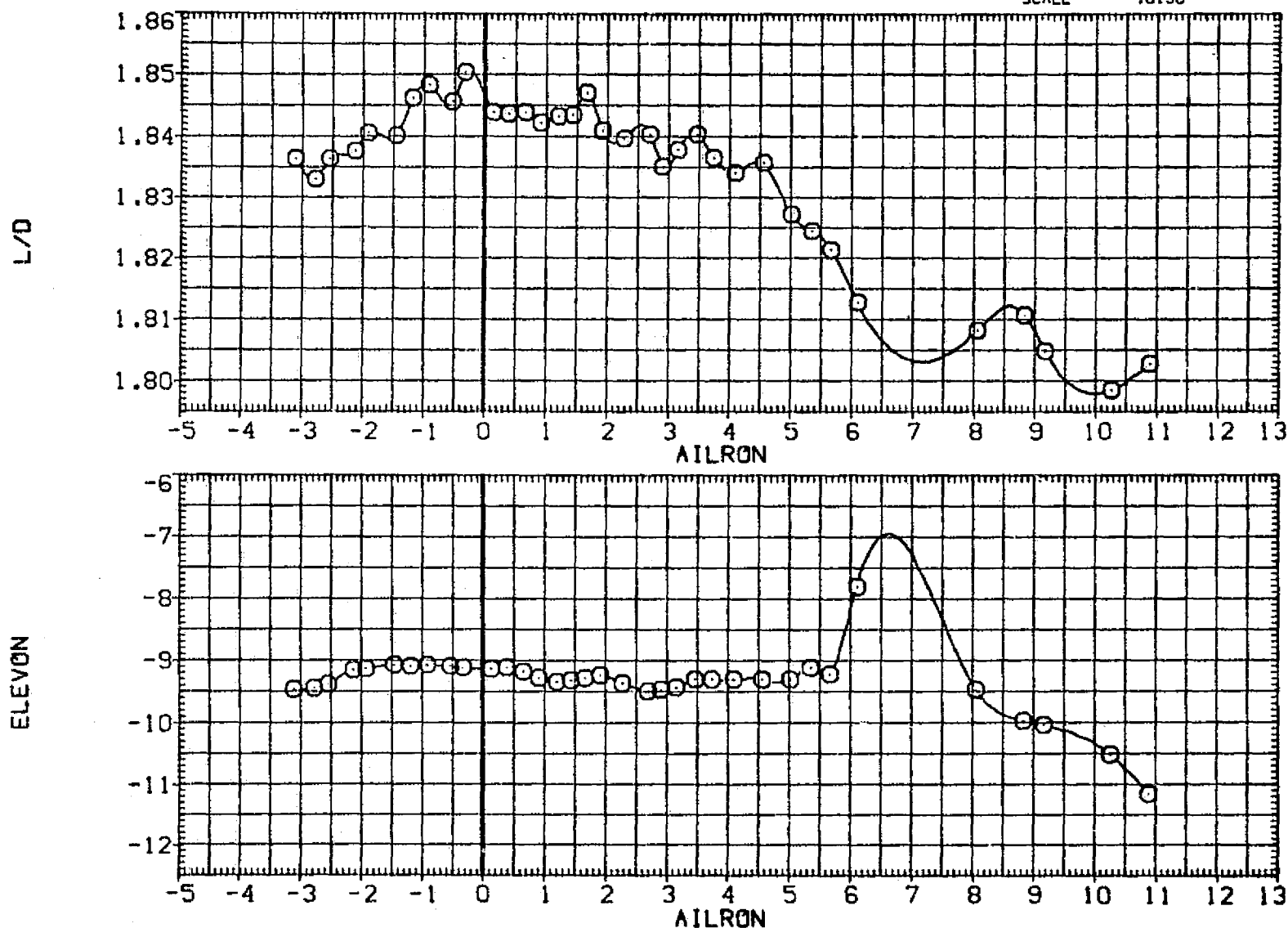


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD111)

SYMBOL
○

MACH
2.010

PARAMETRIC VALUES
ALPHA 5.000
SPDBRK 55.000
GRITNO .000
BETA .000
RUDDER .000

ELEVON .000
RN/L 8.000
RCSPQS 1.000
CDFLAP .000

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

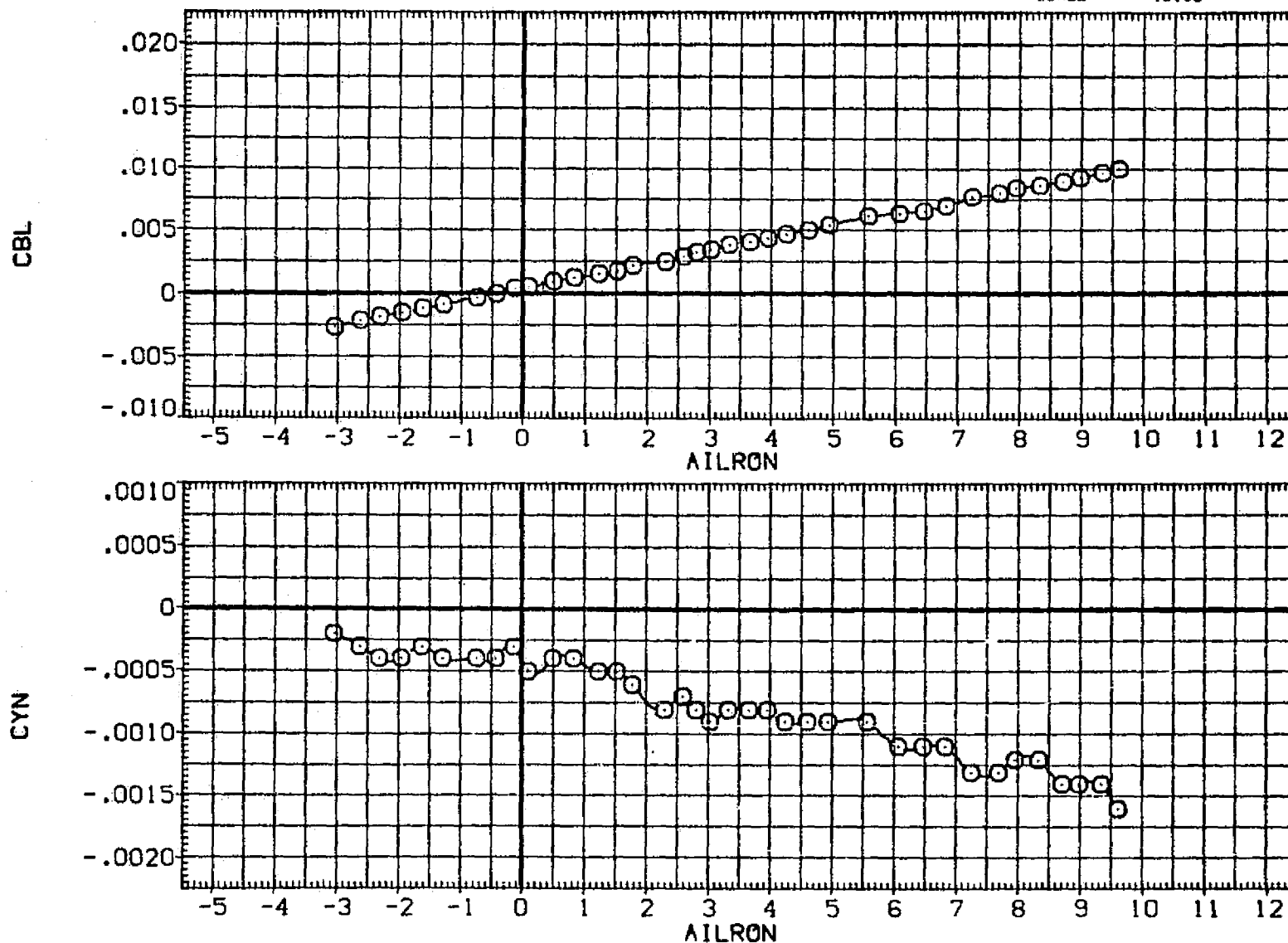


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	2.010	ALPHA	5.000	ELEVON	.000
		SPDBRK	55.000	RN/L	8.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

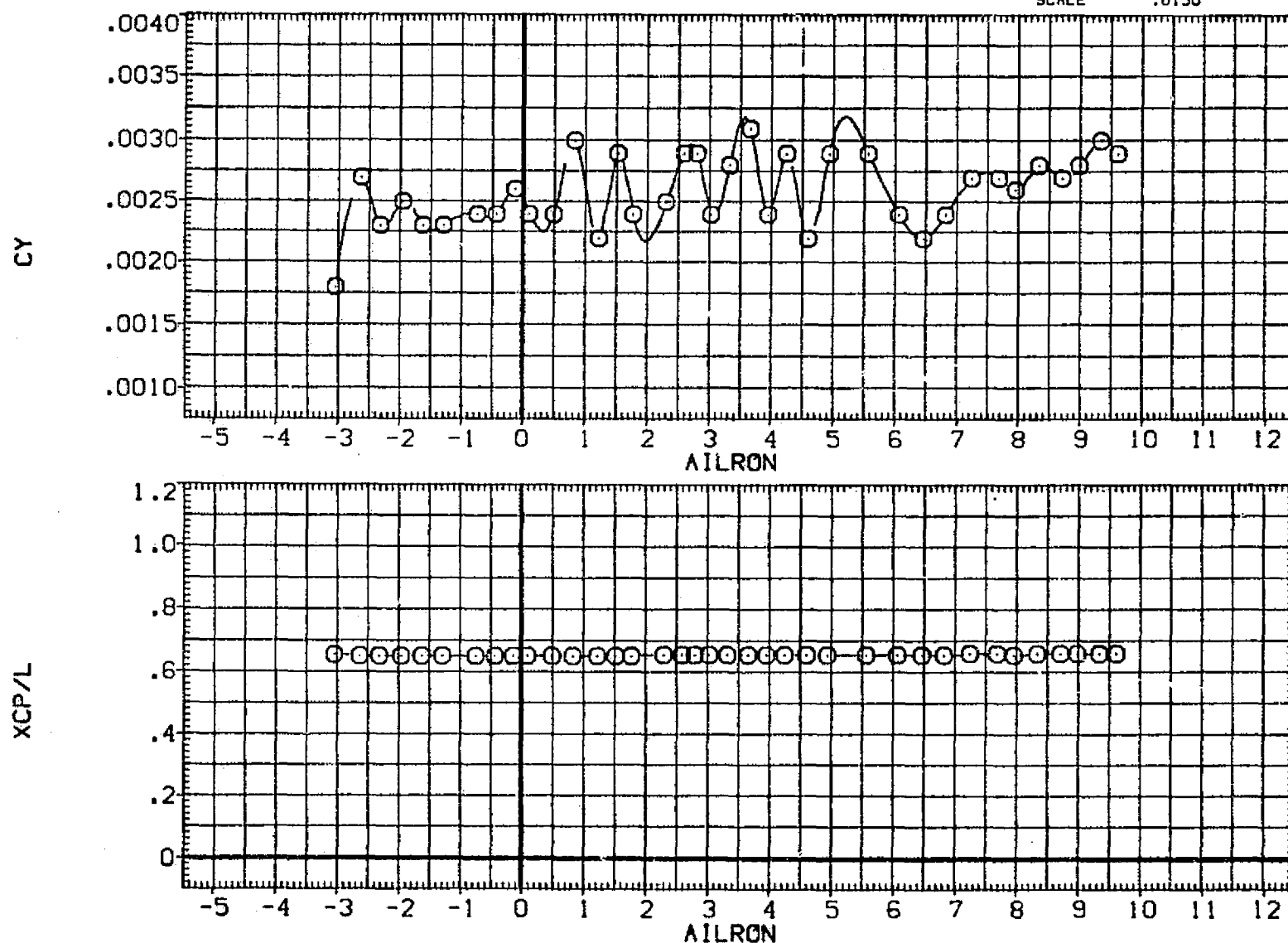


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD111)

SYMBOL

○

MACH

2.010

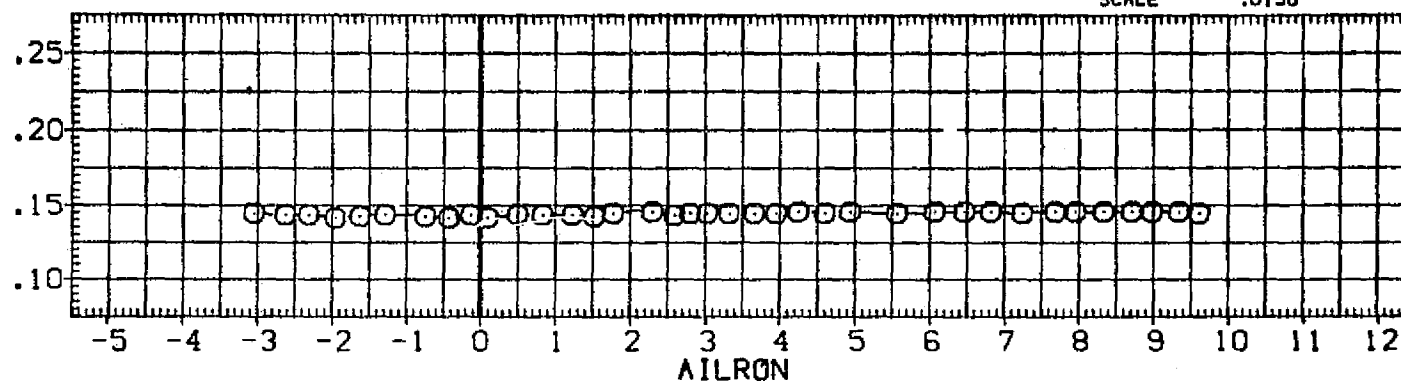
PARAMETRIC VALUES

ALPHA	5.000	ELEVON	.000
SPOBRK	55.000	RN/L	8.000
GRITND	.000	RCSFOS	1.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

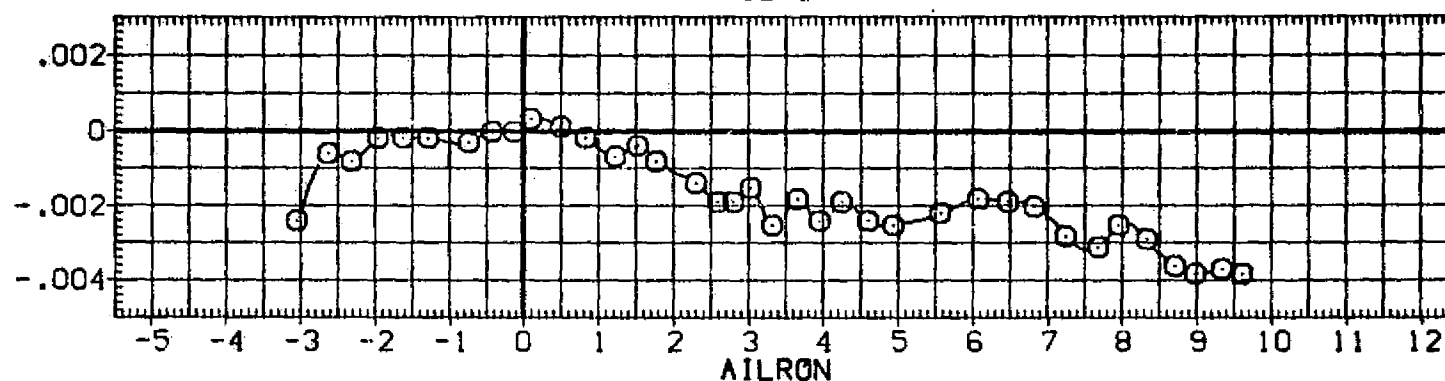
REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CN



CLM



CA

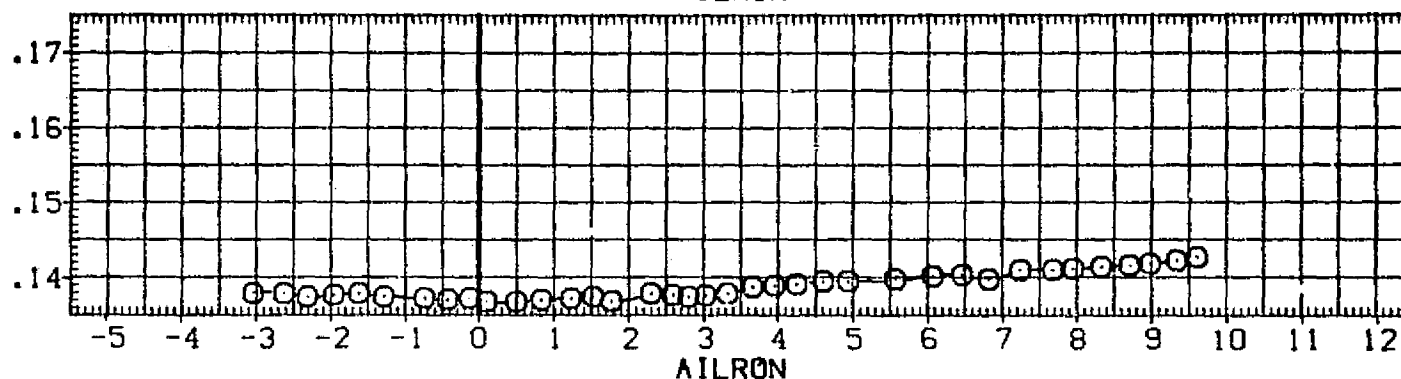


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
O

MACH

2.010

ALPHA

PARAMETRIC VALUES

5.000

ELEVON

.000

SPDBRK

55.000

RN/L

8.000

GRITNO

.000

RCSPDS

1.000

BETA

.000

BDFLAP

.000

RUDDER

.000

REFERENCE INFORMATION

SREF	2690.0000	90. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

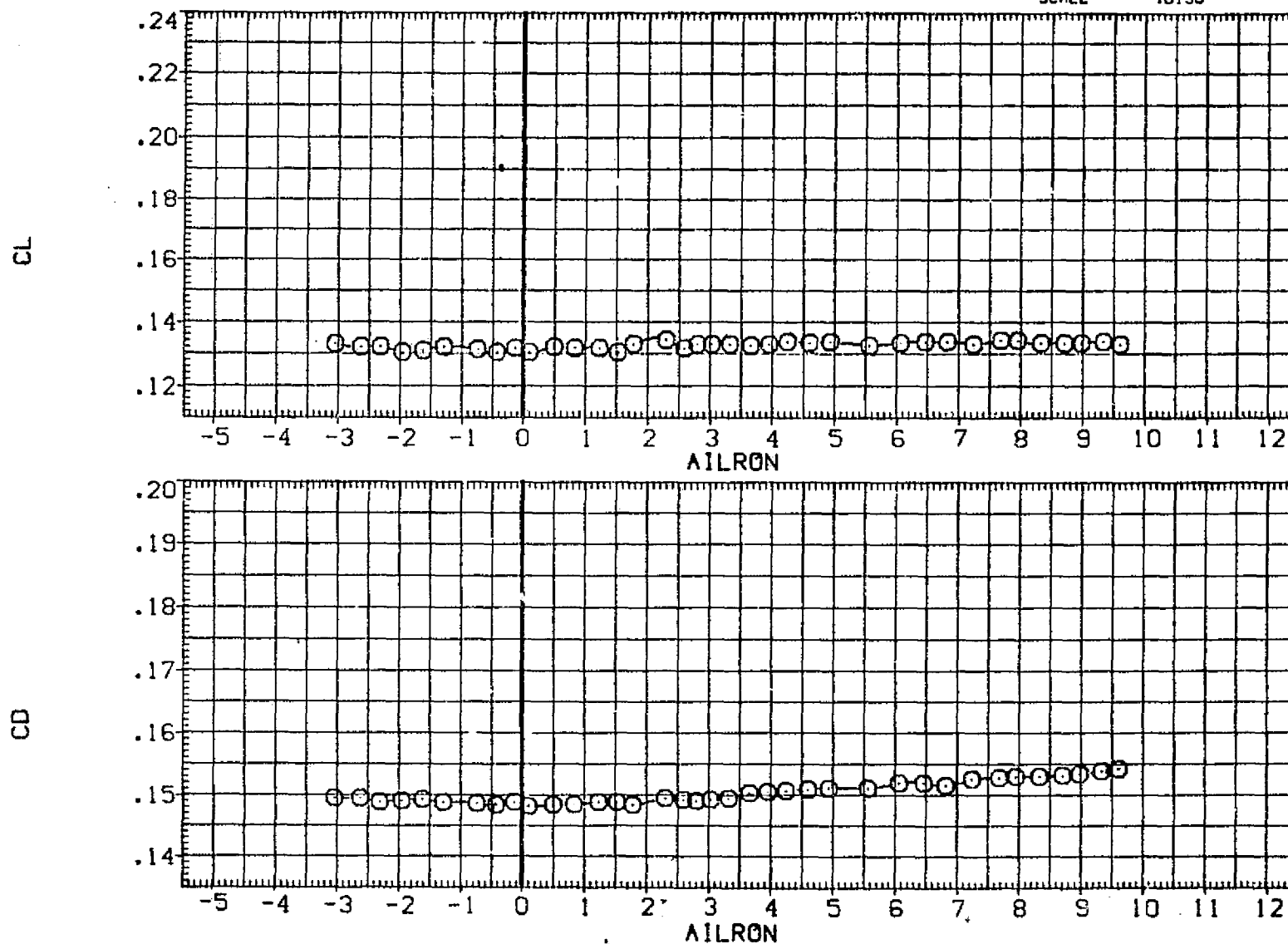


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD111)

SYMBOL

○

MACH

2.010

PARAMETRIC VALUES

ALPHA

5.000

ELEVON

.000

SPDBRK

55.000

RN/L

8.000

GRITNO

.000

RCSP05

1.000

BETA

.000

BDFLAP

.000

RUDDER

.000

REFERENCE INFORMATION

SREF

2690.0000

SQ.FT.

LREF

474.8000

INCHES

BREF

936.7000

INCHES

XMRP

1076.7000

IN. X0

YMRP

.0000

IN. Y0

ZMRP

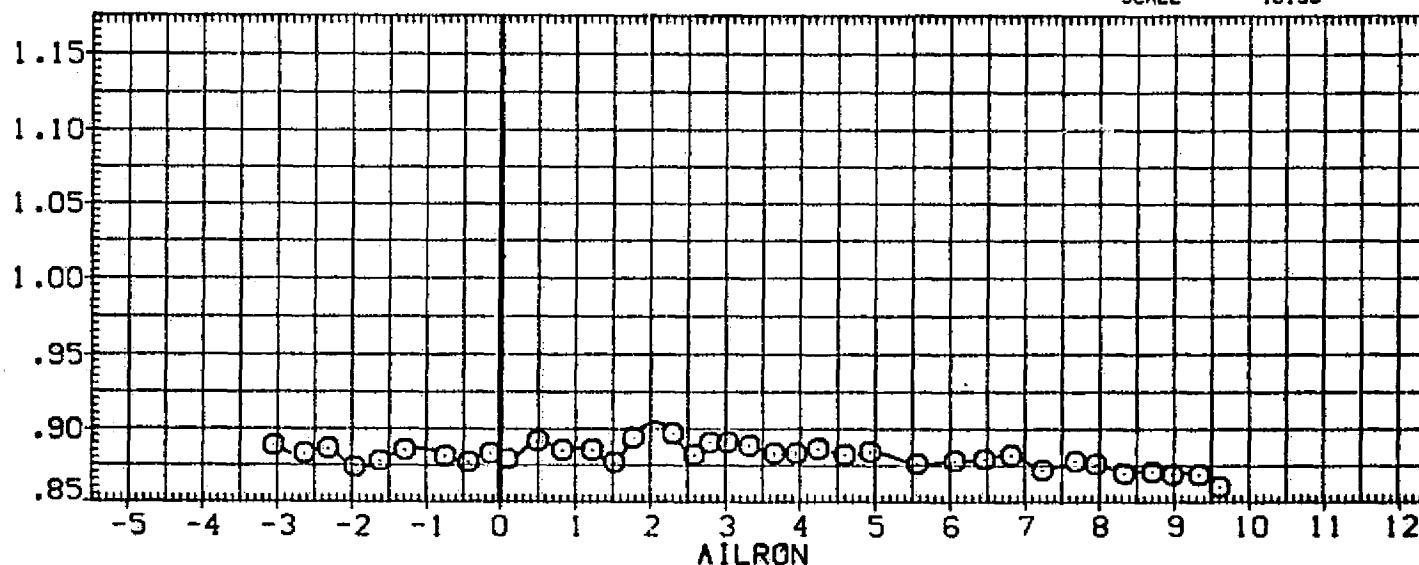
375.0000

IN. Z0

SCALE

.0150

L/D



ELEVON

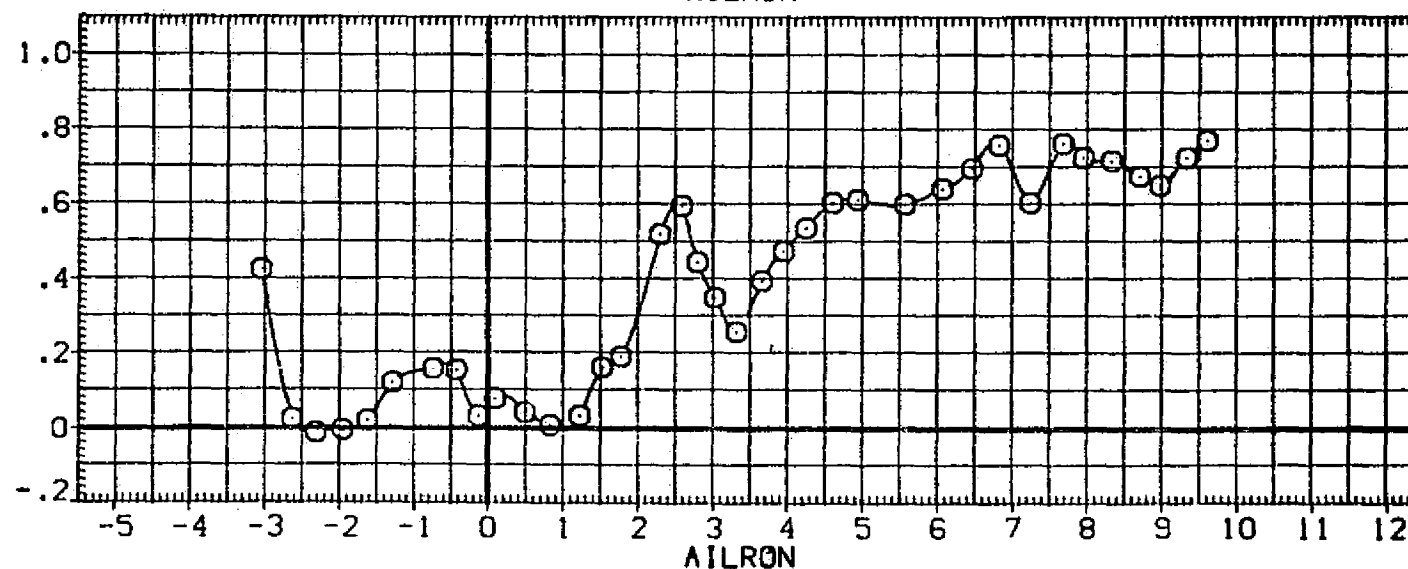


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES
○	2.010	ALPHA 10.000 ELEVON .000
		SPOBRK 55.000 RN/L 8.000
		GRITNO .000 RCSP0S 1.000
		BETA .000 BOFLAP .000
		RUDDER .000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

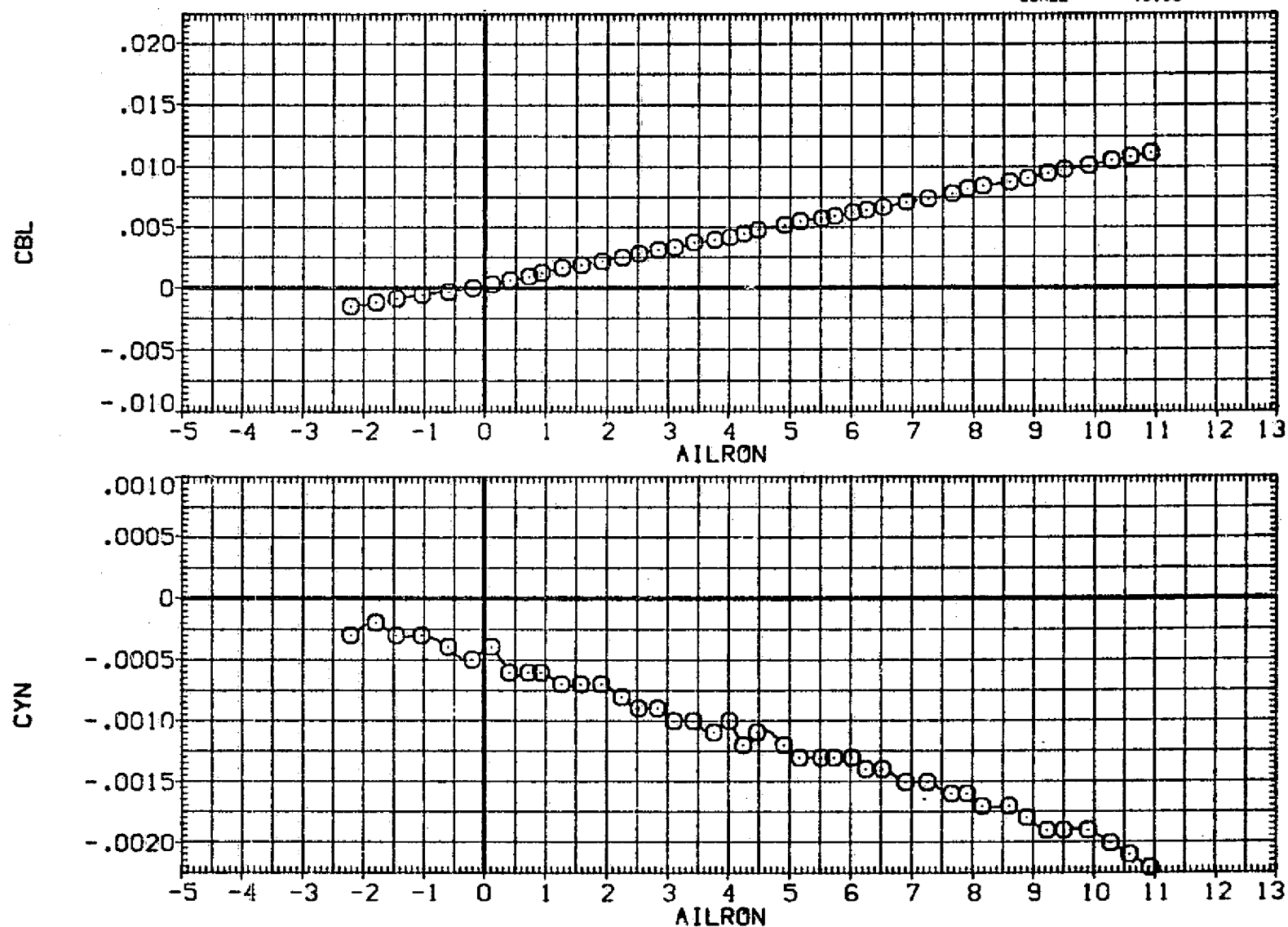


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD114)

SYMBOL
O

MACH
2.010

PARAMETRIC VALUES			
ALPHA	10.000	ELEVON	.000
SPOBRK	55.000	RN/L	8.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

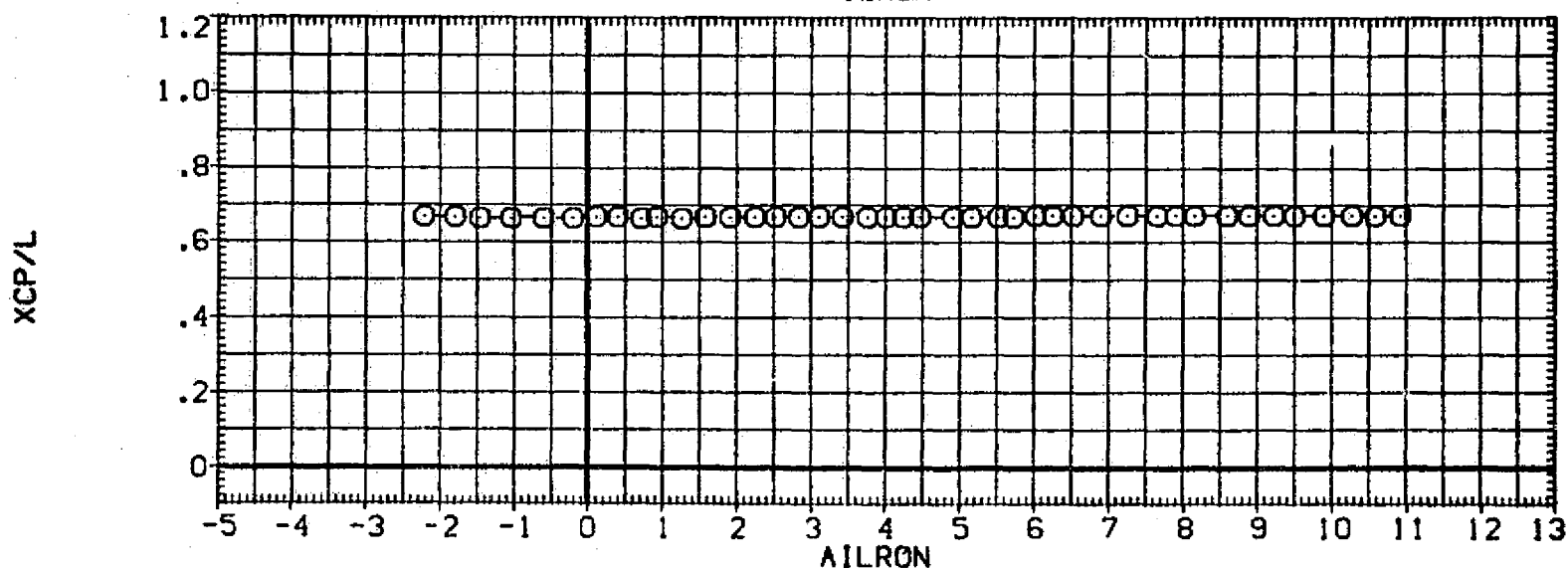
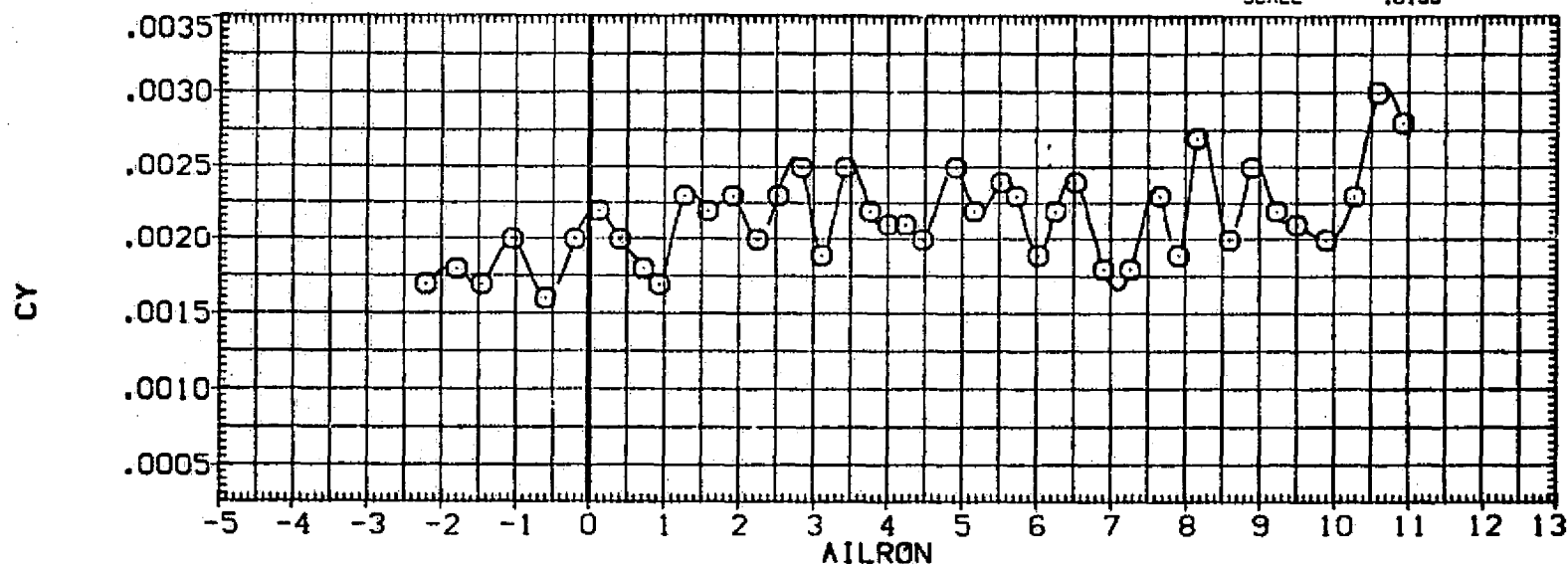


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
OMACH
2.010

PARAMETRIC VALUES			
ALPHA	10.000	ELEVON	.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCPOS	1.000
BETA	.000	8DFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMHP	1076.7000	IN. X0
YMHP	.0000	IN. Y0
ZMHP	375.0000	IN. Z0
SCALE	.0150	

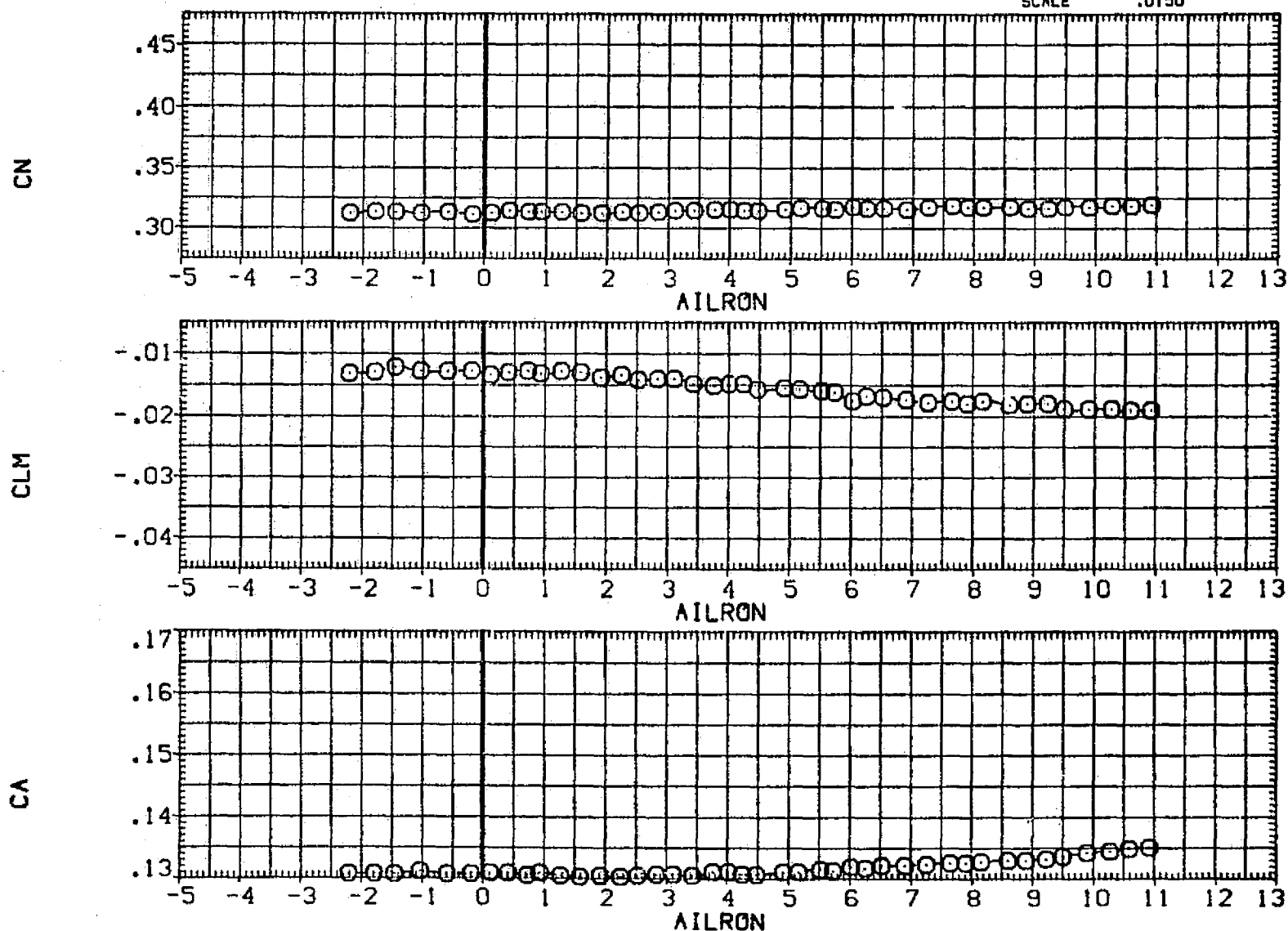


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LAG7 (LTV 552) ORBITER 49-0

(SFD114)

SYMBOL
○

MACH
2.010

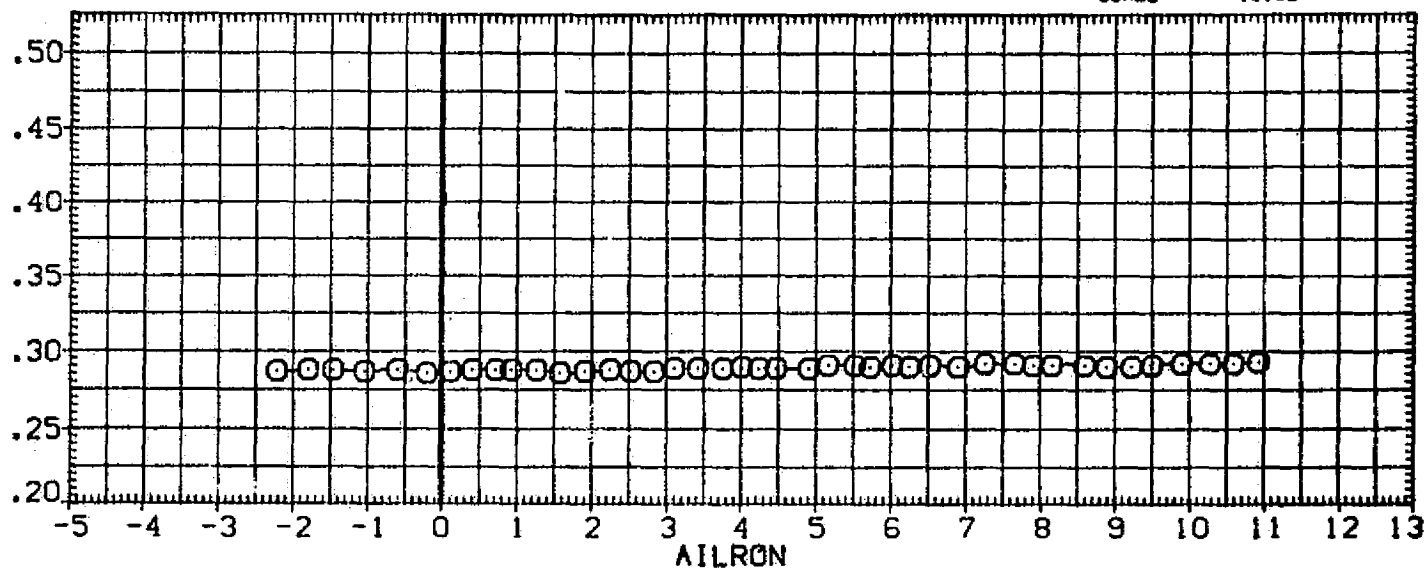
PARAMETRIC VALUES
ALPHA 10.000
SPDBRK 55.000
GRITNO .000
BETA .000
RUDDER .000

ELEVON .000
RN/L 8.000
RCSP05 1.000
BDFLAP .000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

CL



CD

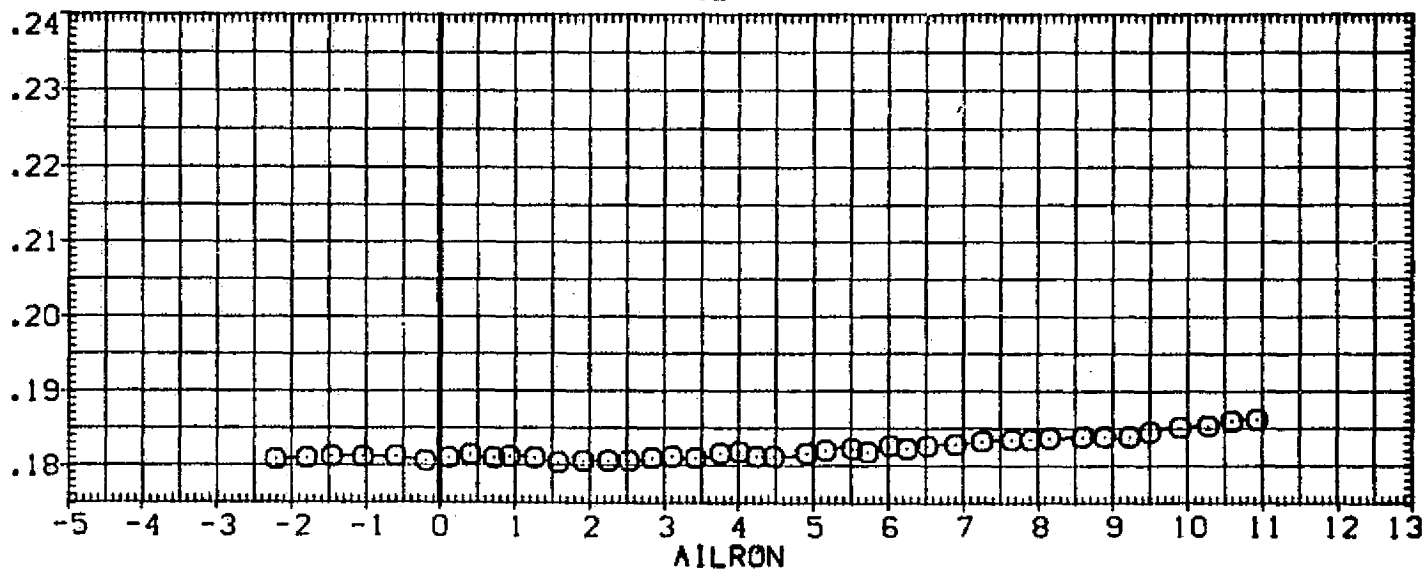


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	2.010	ALPHA	10.000	ELEVON	.000
		SPCRK	55.000	RN/L	8.000
		GRITNO	.000	RCSPDS	1.000
		BETA	.000	BOFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

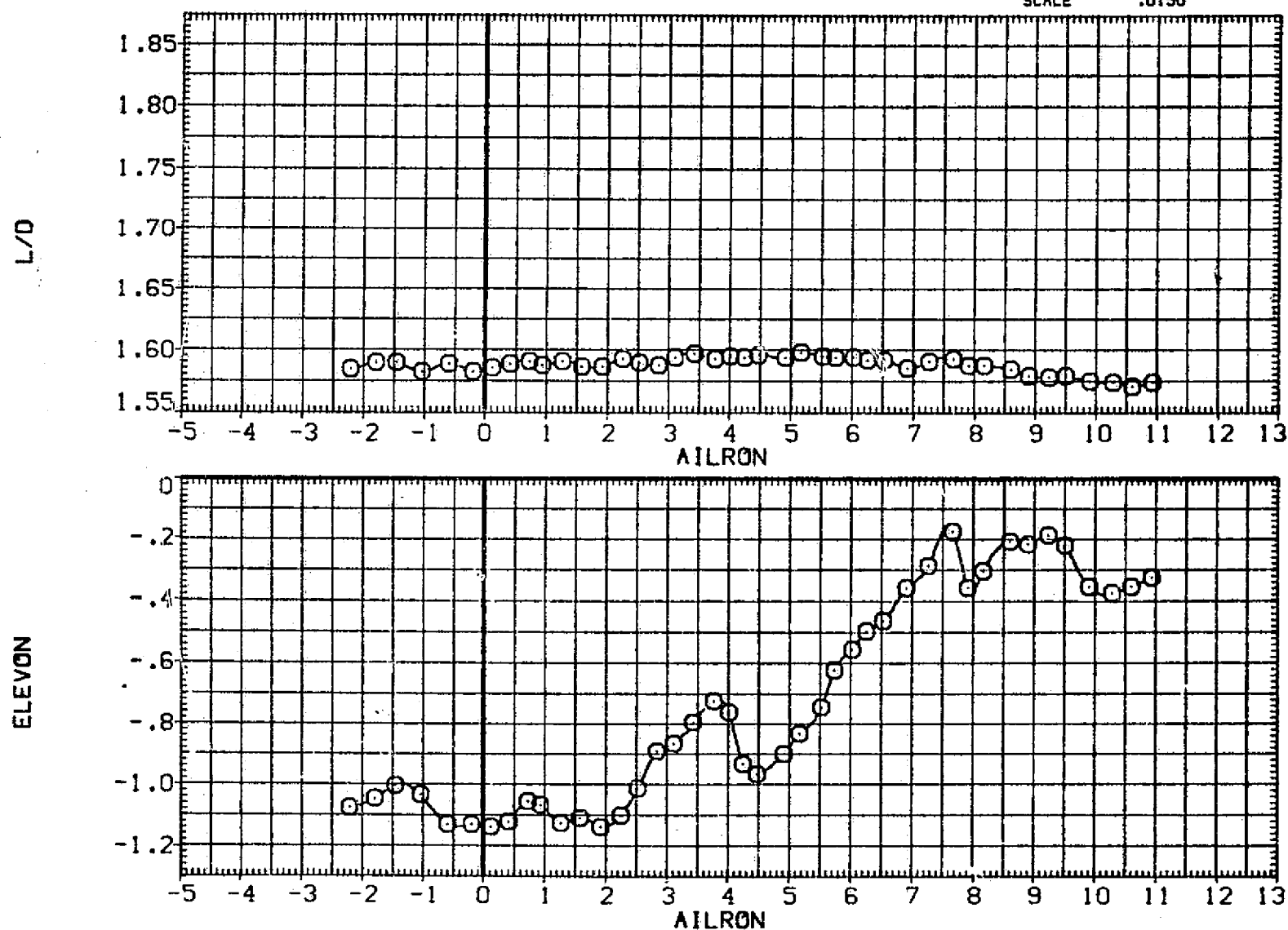


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD115)

SYMBOL
○

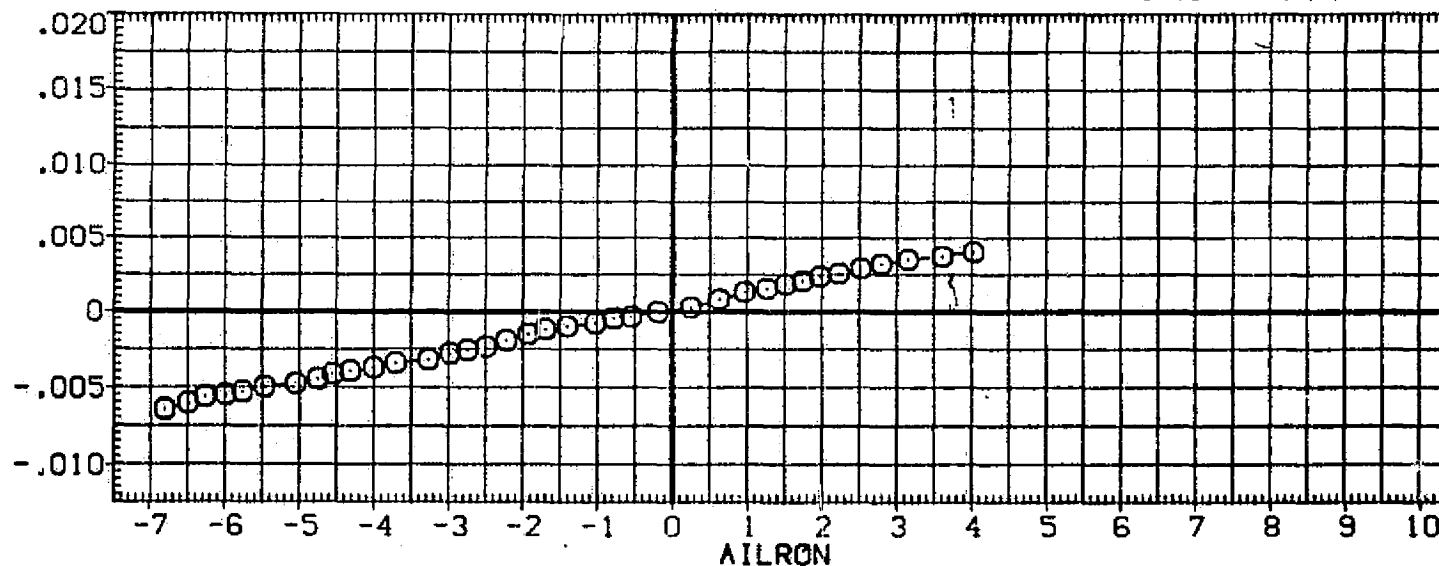
MACH
2.010

PARAMETRIC VALUES			
ALPHA	10.000	ELEVON	5.000
SPOBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPOS	1.000
BETA	.000	BOFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CBL



CYN

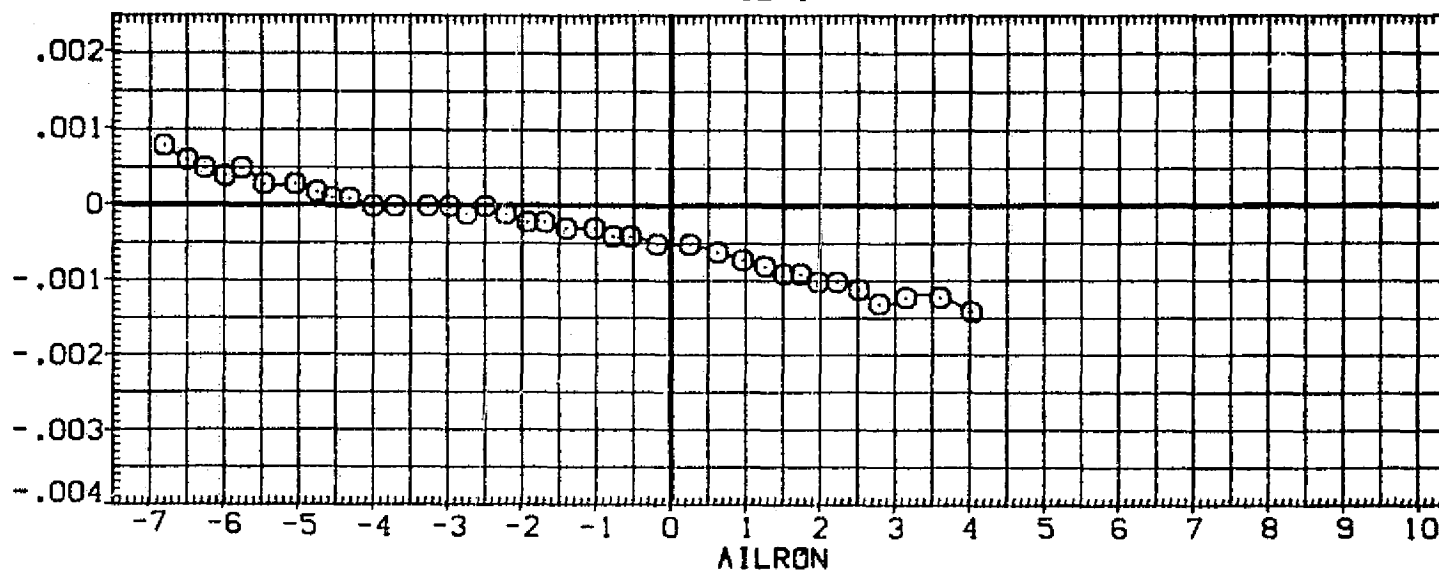


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
2.010

PARAMETRIC VALUES			
ALPHA	10.000	ELEVON	5.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

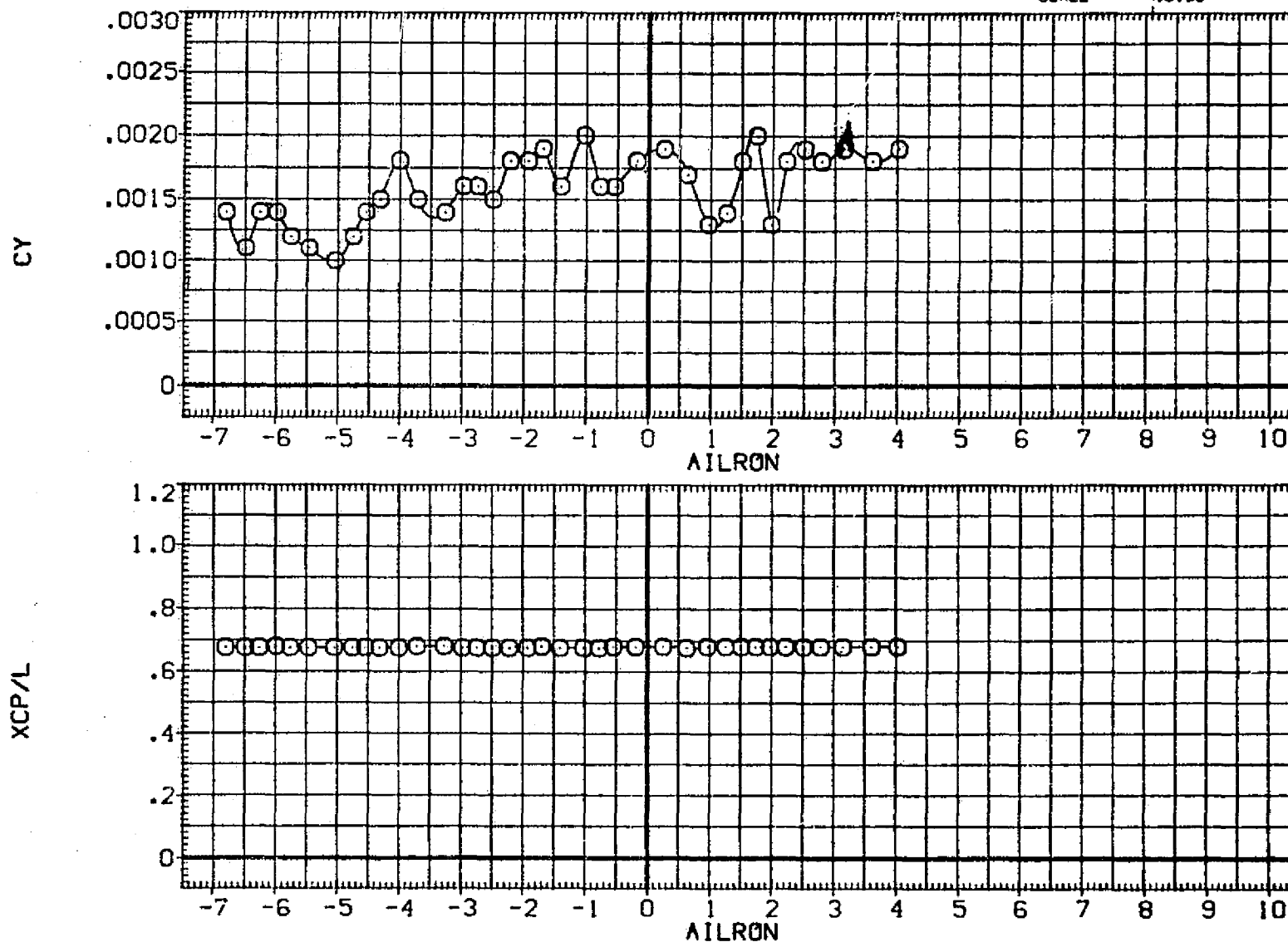


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD115)

SYMBOL
OMACH
2.010ALPHA
SPDBRK
GRITNO
BETA
RUDDER

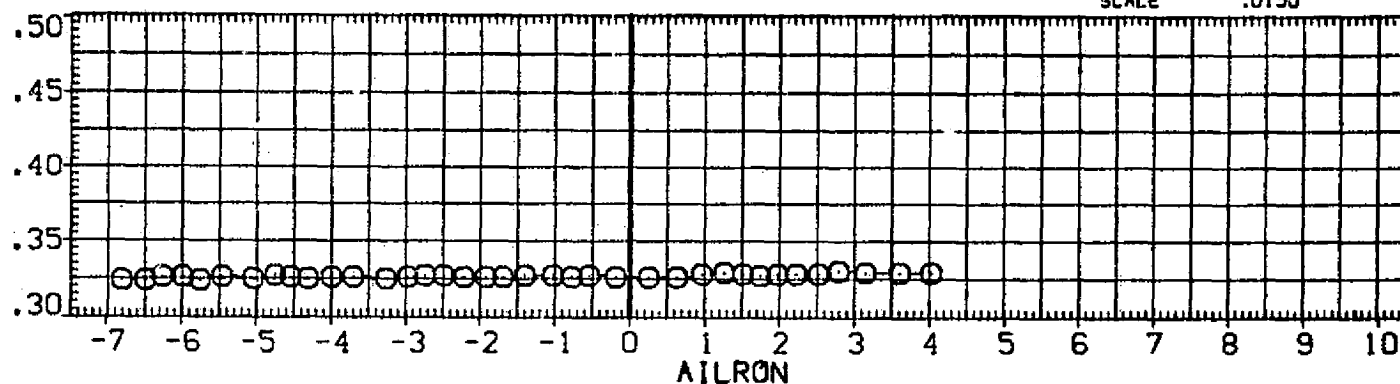
PARAMETRIC VALUES

10.000
55.000
.000
.000
.000
ELEVON
RN/L
RCSPDS
BDFLAP5.000
8.000
1.000
.000

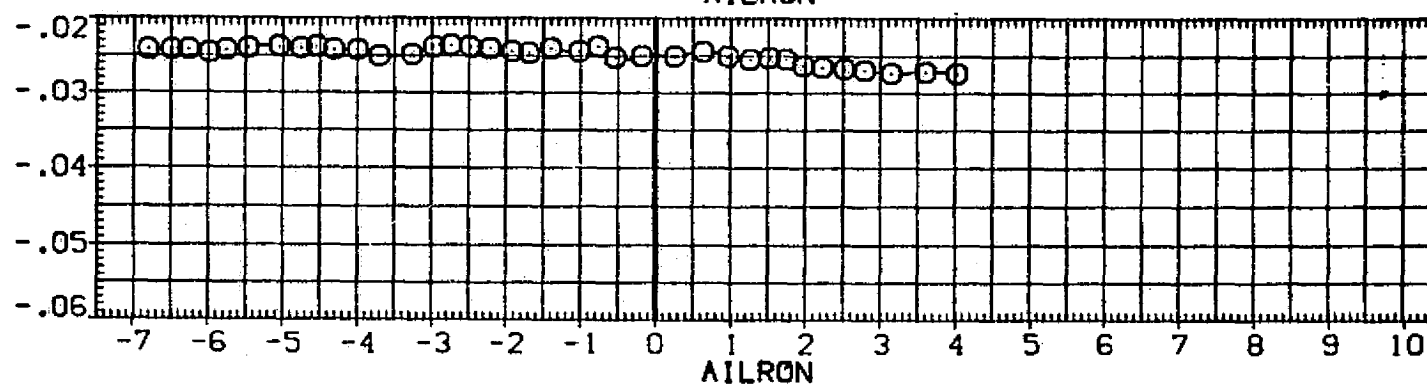
REFERENCE INFORMATION

SREF 2690.0000 SO.FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

CN



CLM



CA

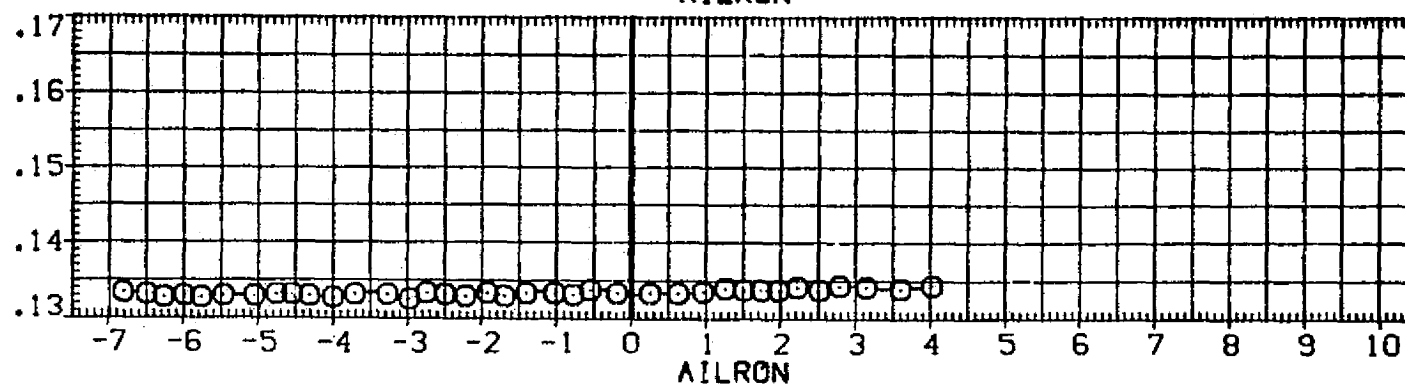


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

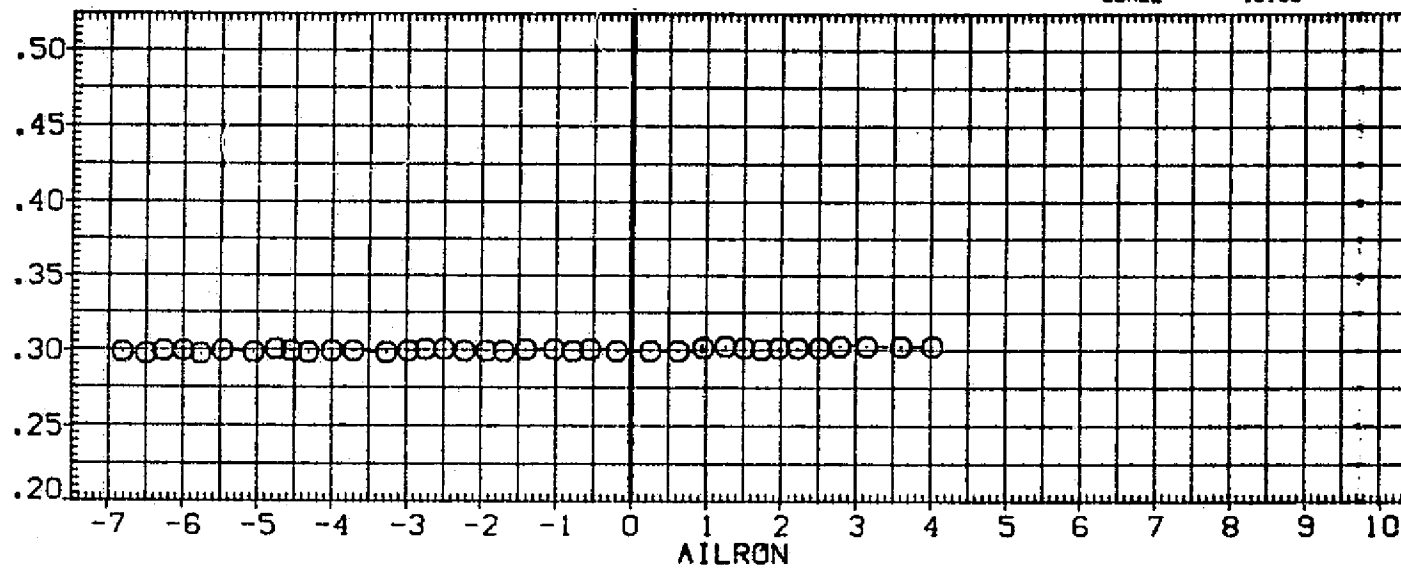
SYMBOL
OMACH
2.010

PARAMETRIC VALUES			
ALPHA	10.000	ELEVON	5.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

CL



CD

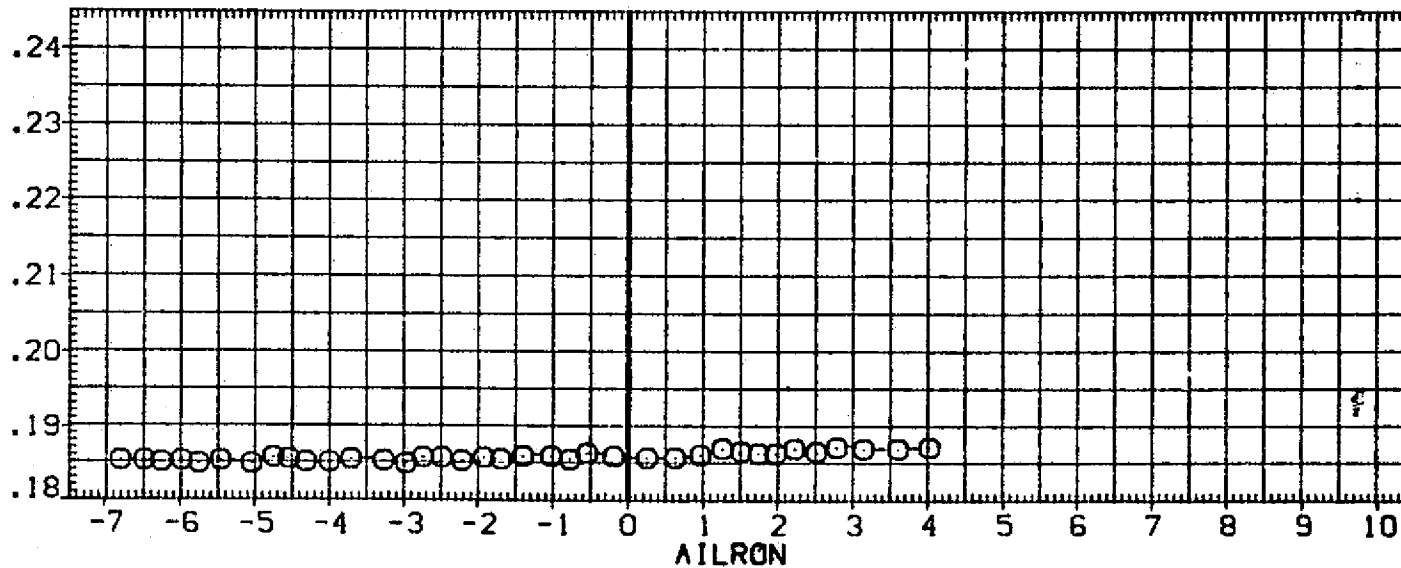


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD115)

SYMBOL
○

MACH
2.010

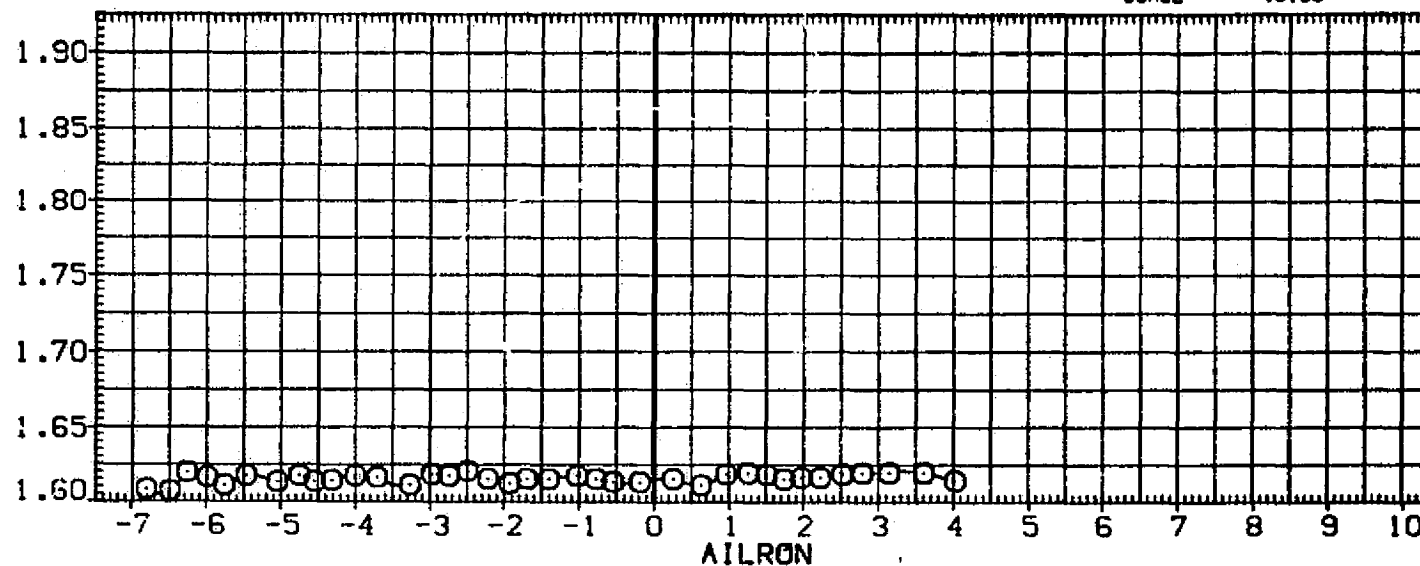
PARAMETRIC VALUES
ALPHA 10.000
SPDBRK 55.000
GRITNO .000
BETA .000
RUDDER .000

ELEVON 5.000
RN/L 8.000
RCSPQS 1.000
BDFLAP .000

REFERENCE INFORMATION

SREF 2690.0000 SQ. FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

L/D



ELEVON

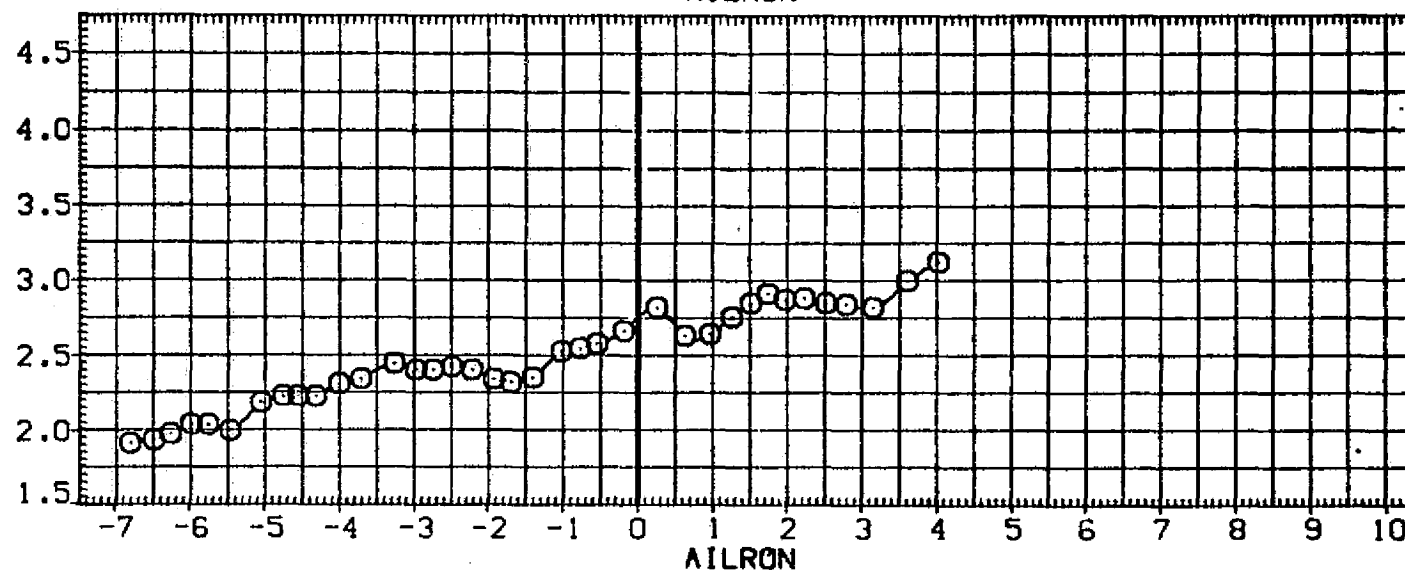


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○

MACH
2.010

PARAMETRIC VALUES
ALPHA 15.000
SPDBRK 55.000
GRITNO .000
BETA .000
RUDDER .000

ELEVON .000
RN/L 8.000
RCSPQS 1.000
BDFLAP .000

REFERENCE INFORMATION

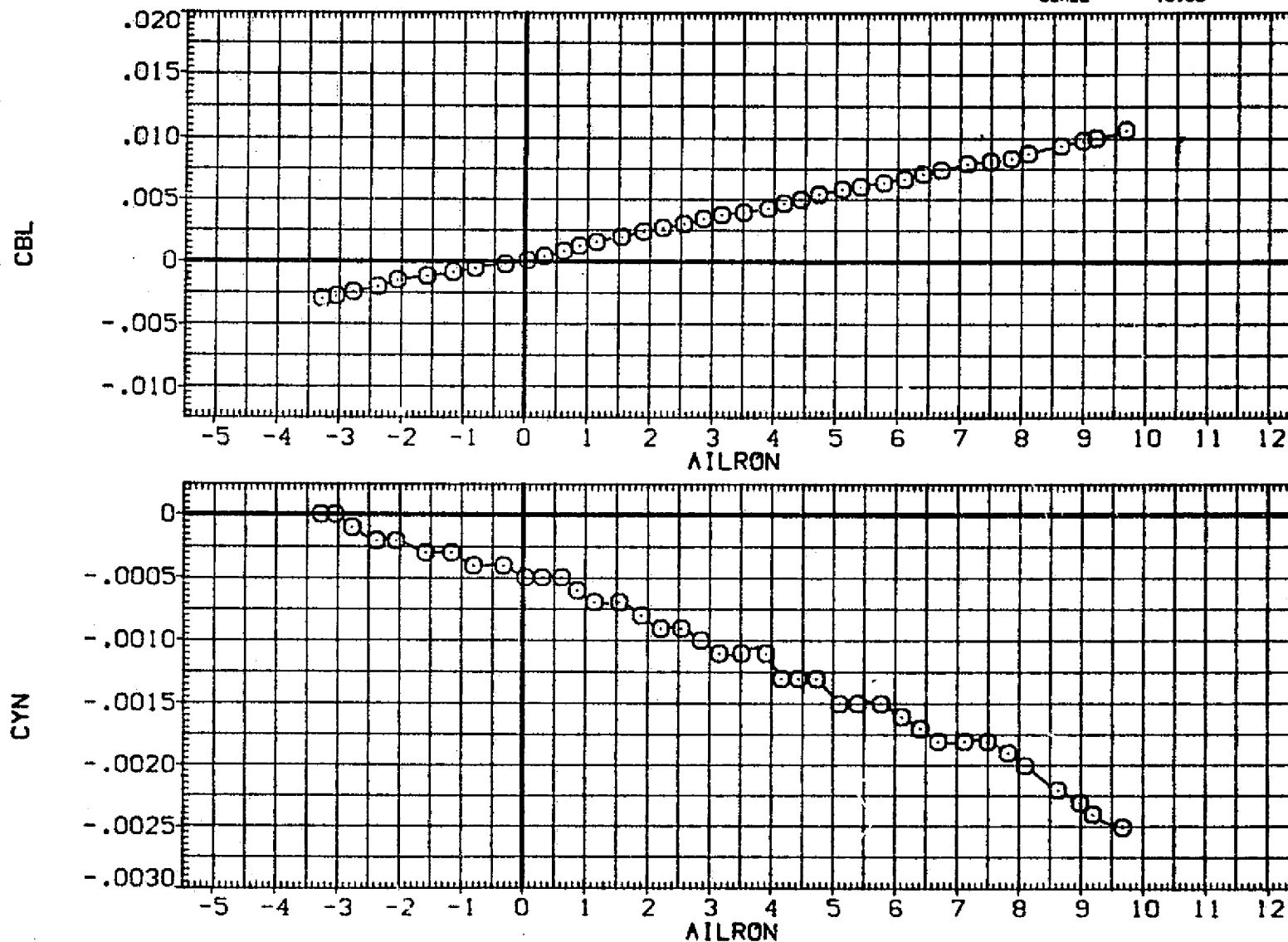
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LAG7 (LTV 552) ORBITER 40-3

(AFD117)

SYMBOL
○

MACH
2.010

PARAMETRIC VALUES
ALPHA 15.000
SPDRK 55.000
GRITNG .000
BETA .000
RUDDER .000

ELEVON .000
RN/L 8.000
RCSPQS 1.000
BDFLAP .000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

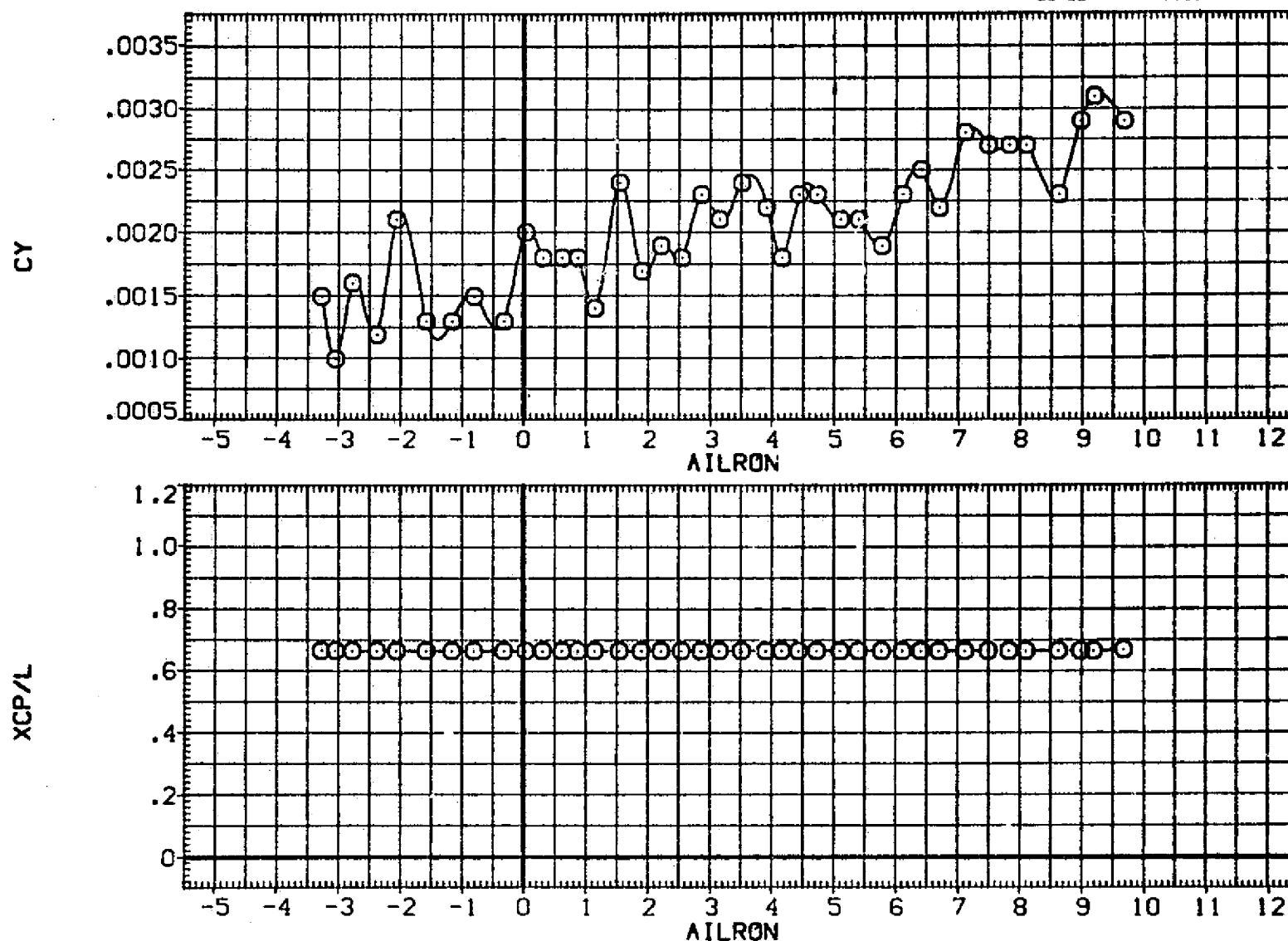


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
O

MACH
2.010

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	.000
SPOBRK	55.000	RN/L	8.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

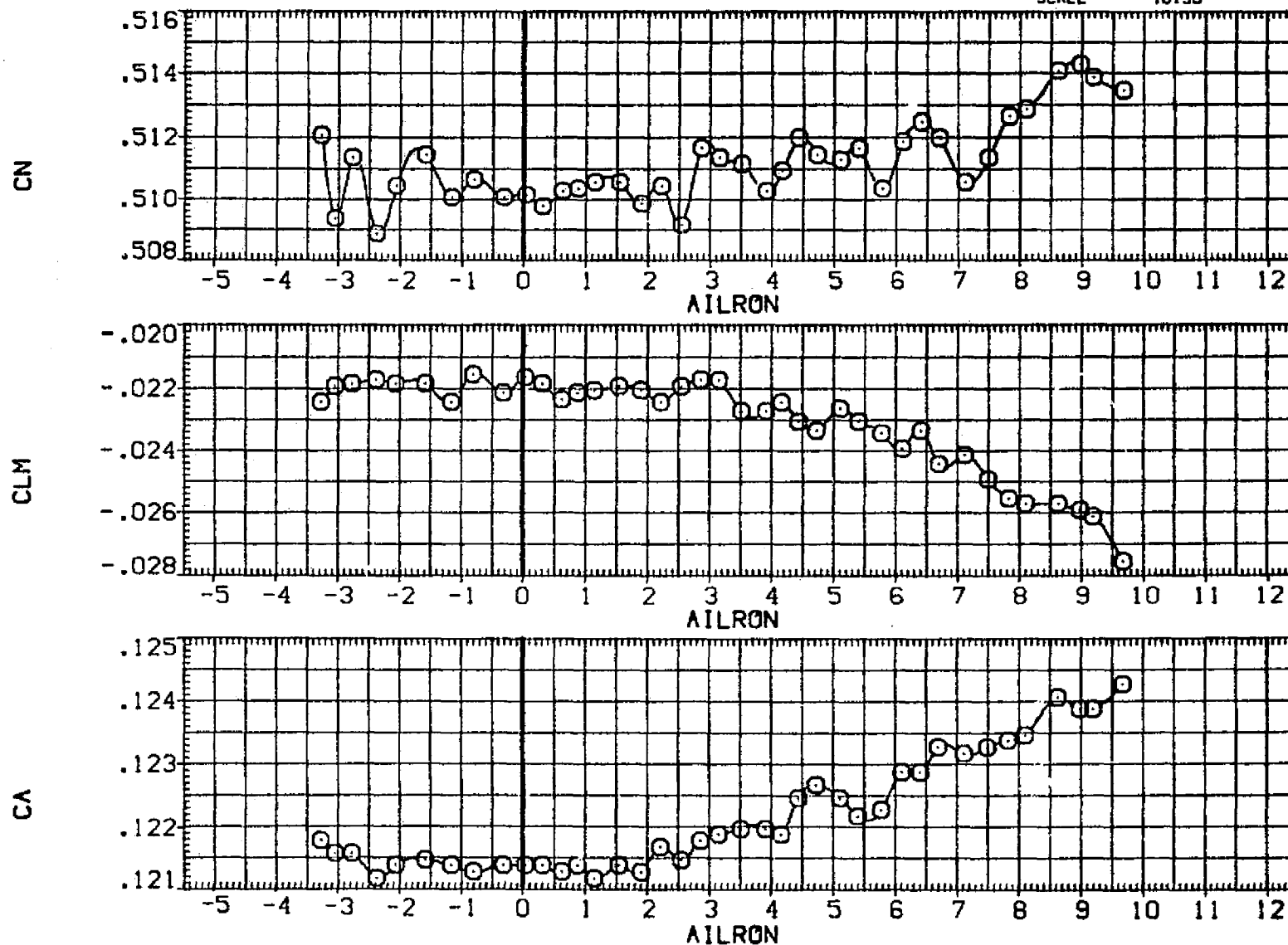


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD117)

SYMBOL
○MACH
2.010

PARAMETRIC VALUES

ALPHA	15.000	ELEVON	.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

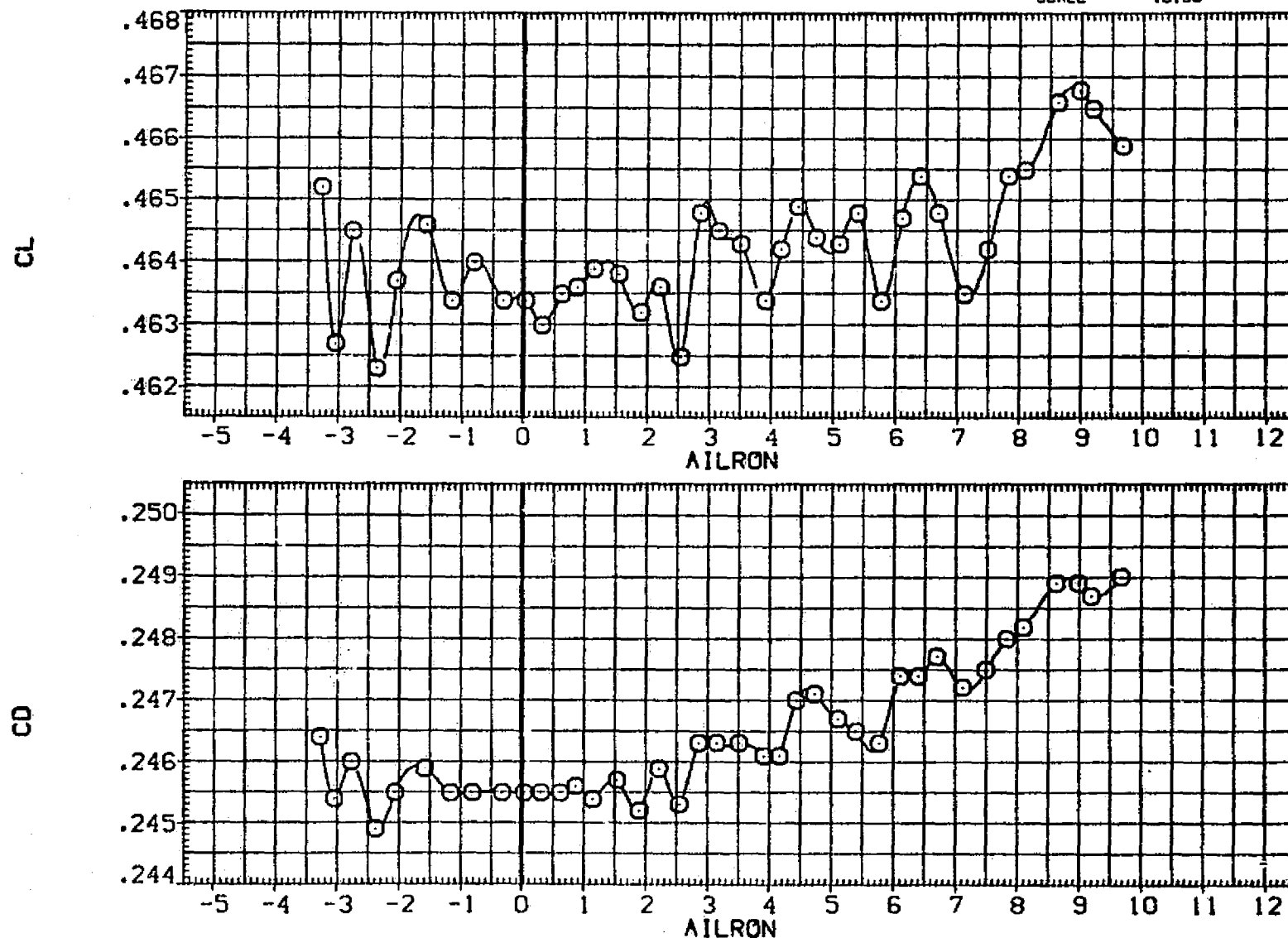


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
2.010

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPOS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

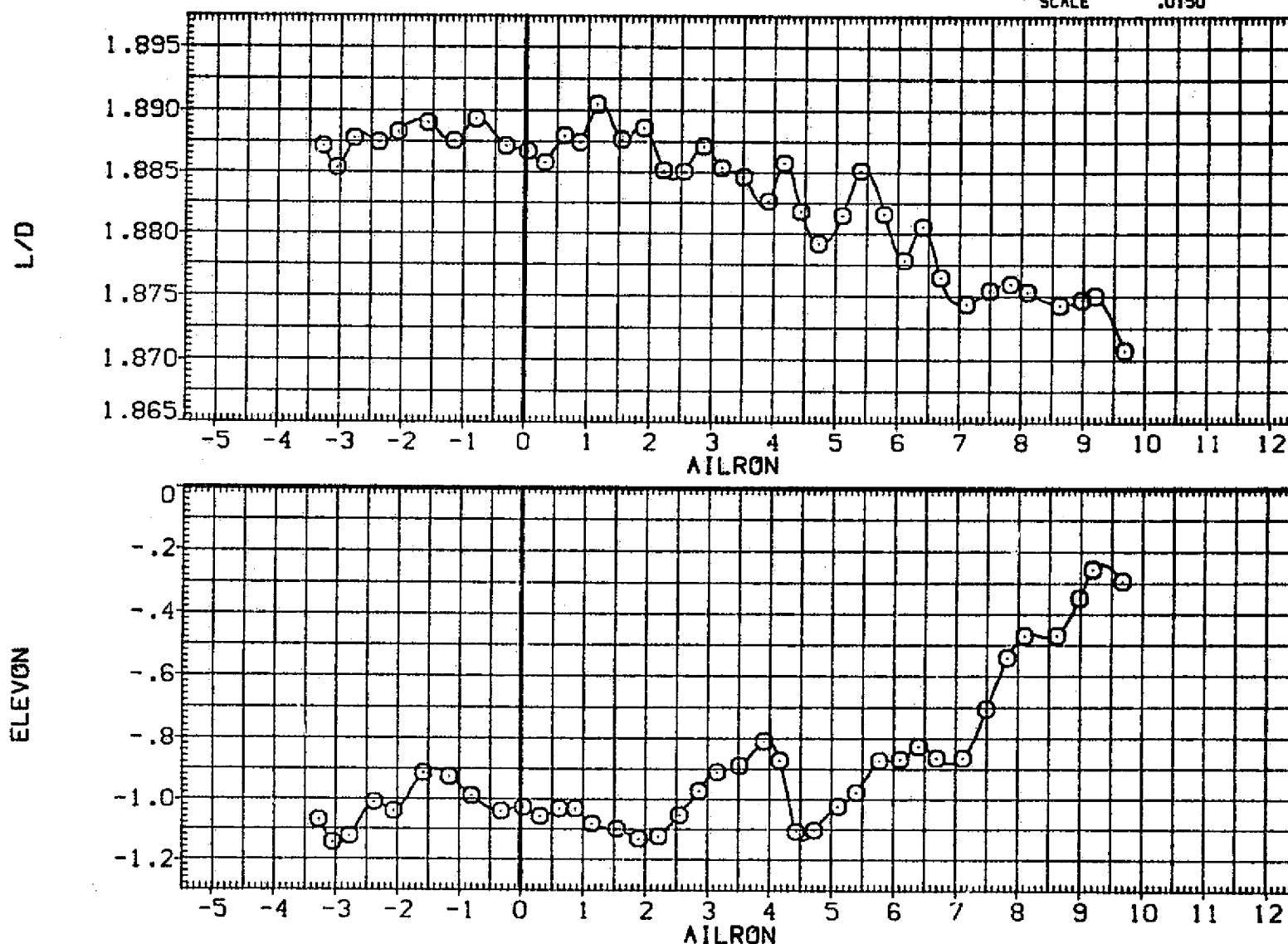


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD118)

SYMBOL
○MACH
2.010

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	5.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDPLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

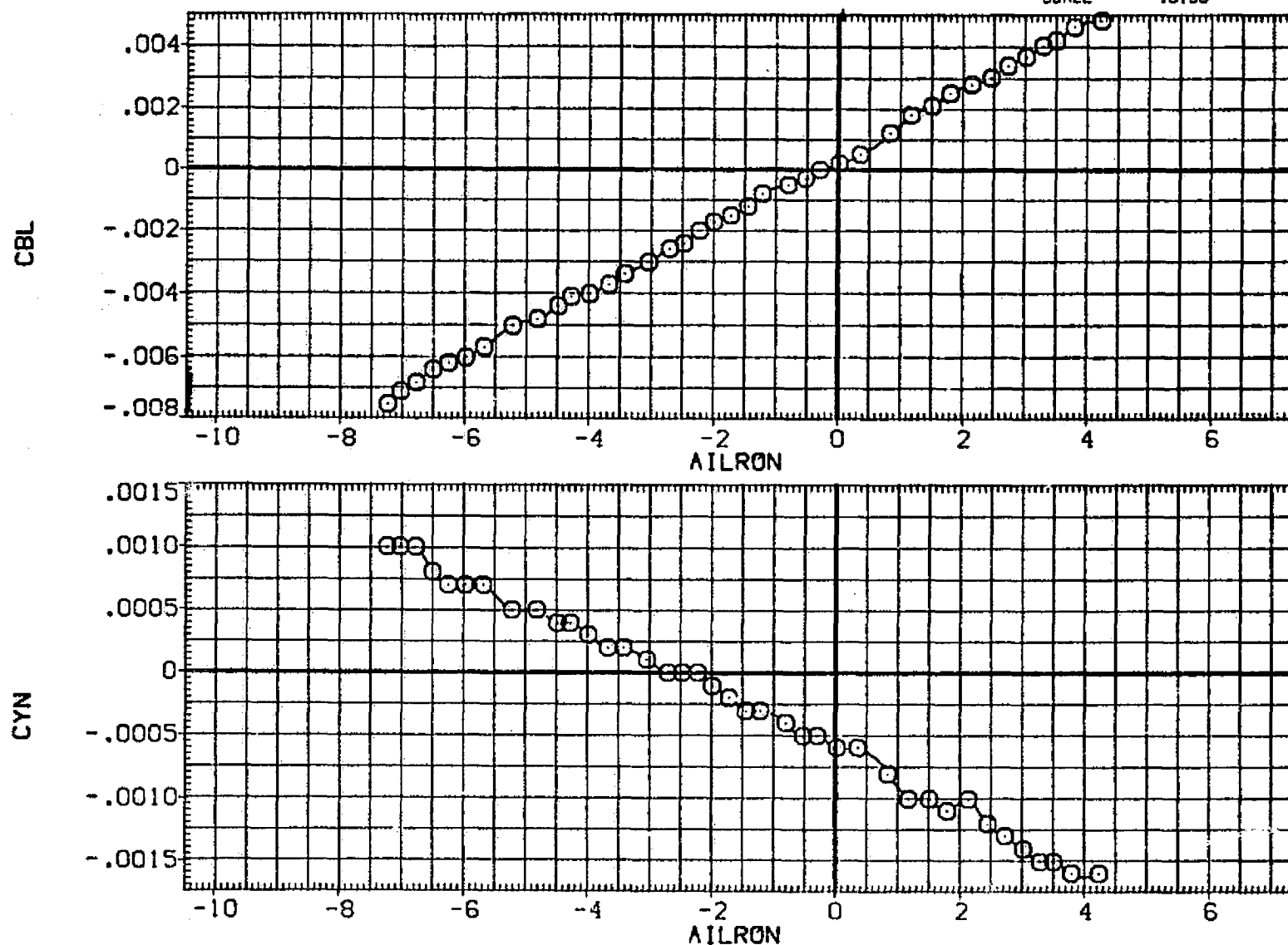


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
O

MACH
2.010

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	5.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDPLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

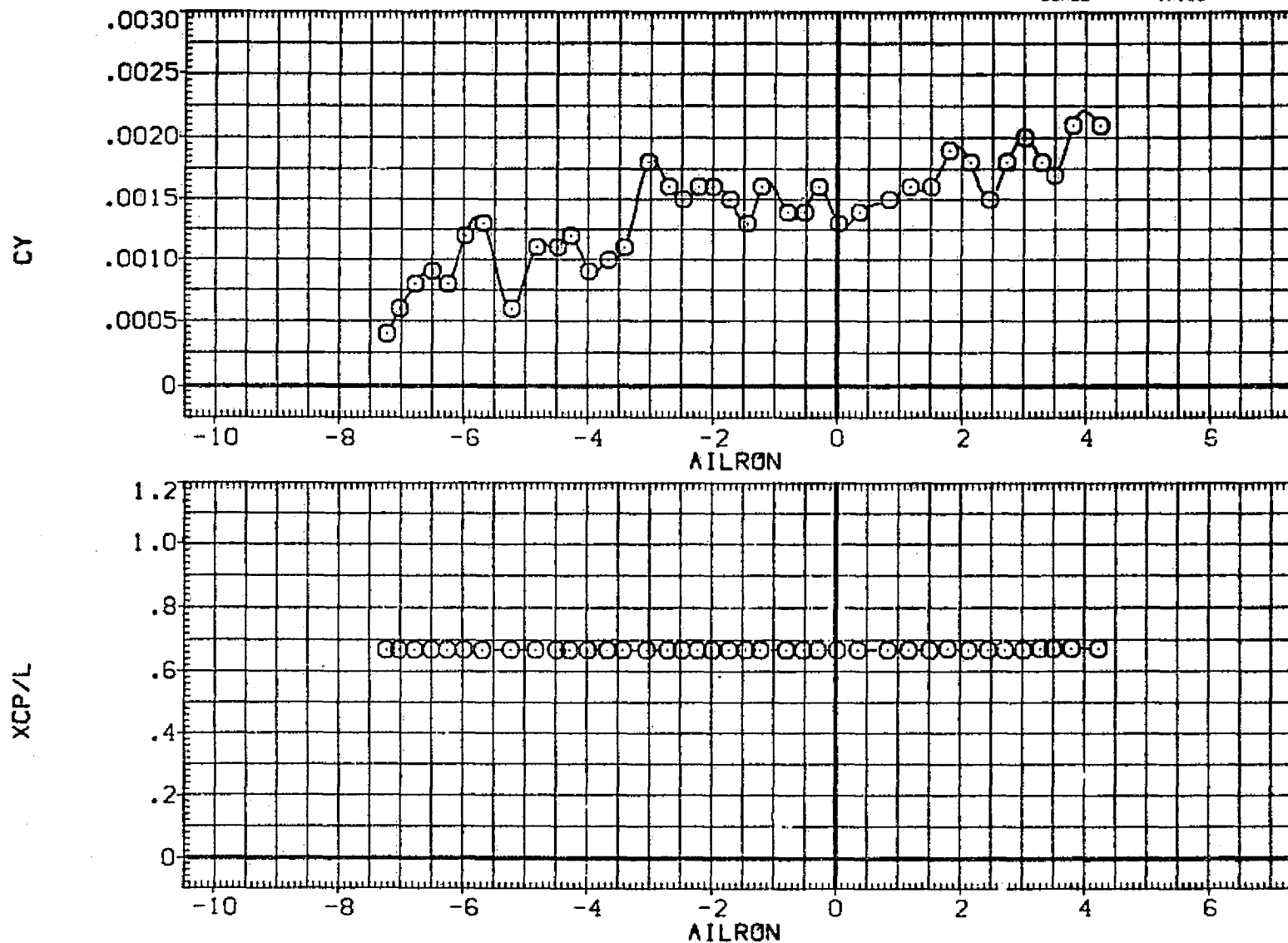


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD118)

SYMBOL
OMACH
2.010

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	5.000
SPOBRK	55.000	RN/L	8.000
GRITND	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

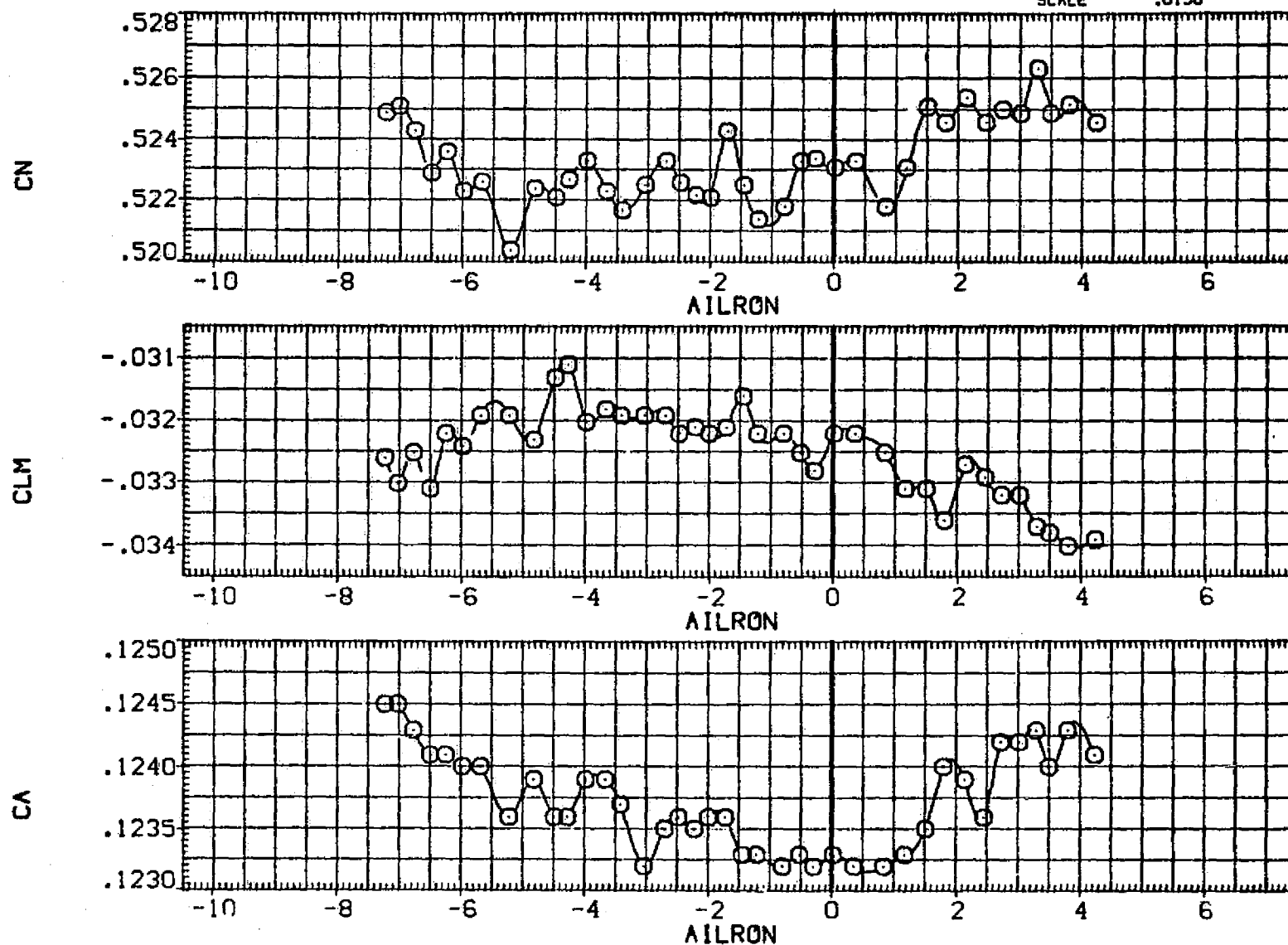


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
OMACH
2.010

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	5.000
SPDBRK	55.000	RN/L	8.000
GRITNO	.000	PCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMHP	1076.7000	IN. X0
YMHP	.0000	IN. Y0
ZMHP	375.0000	IN. Z0
SCALE	.0150	

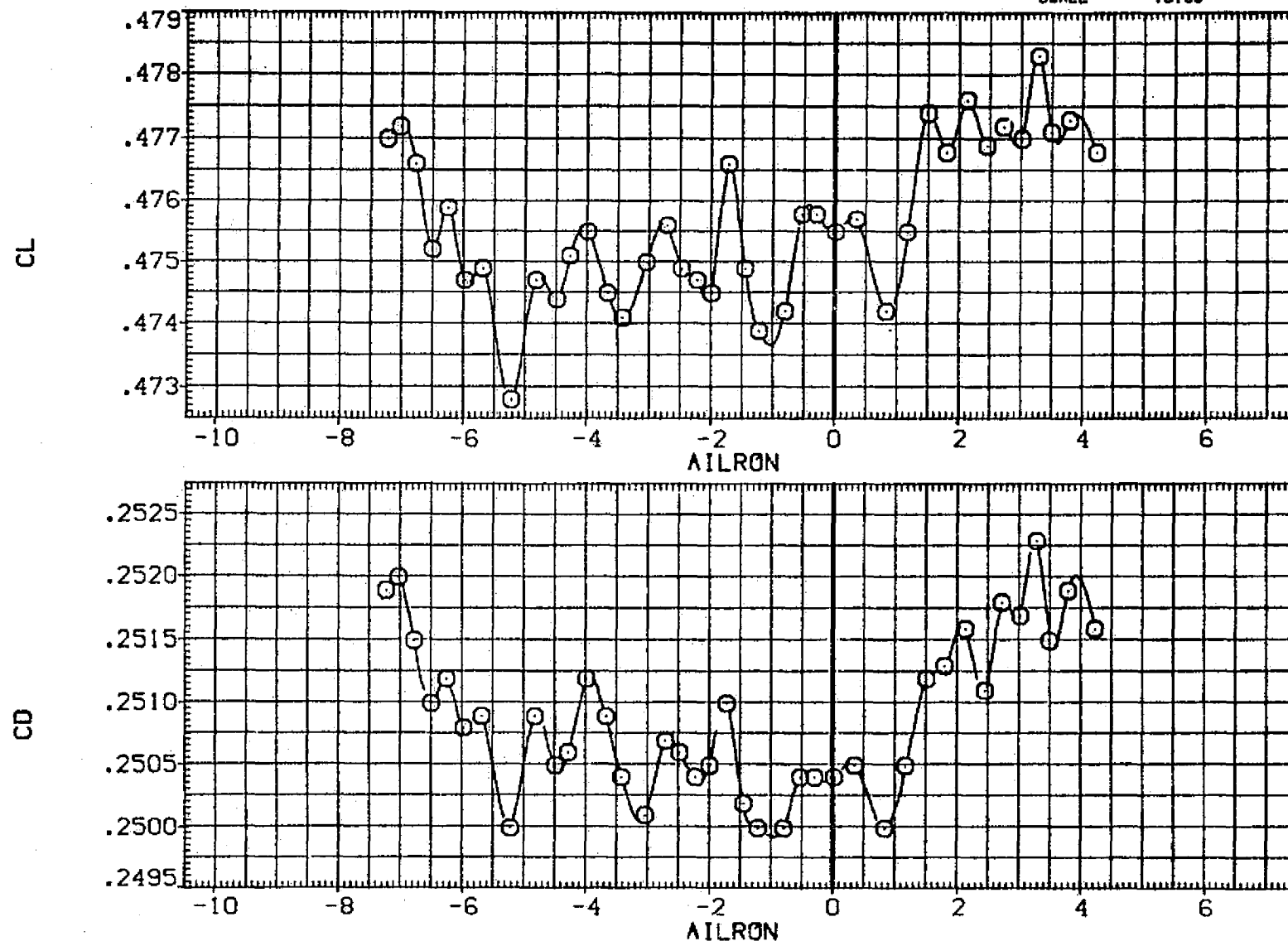


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORRITER 49-0

(SFD118)

SYMBOL
OMACH
2.010

PARAMETRIC VALUES

ALPHA	15.000	ELEVON	5.000
SPDBRK	55.000	RN/L	8.000
GRITND	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

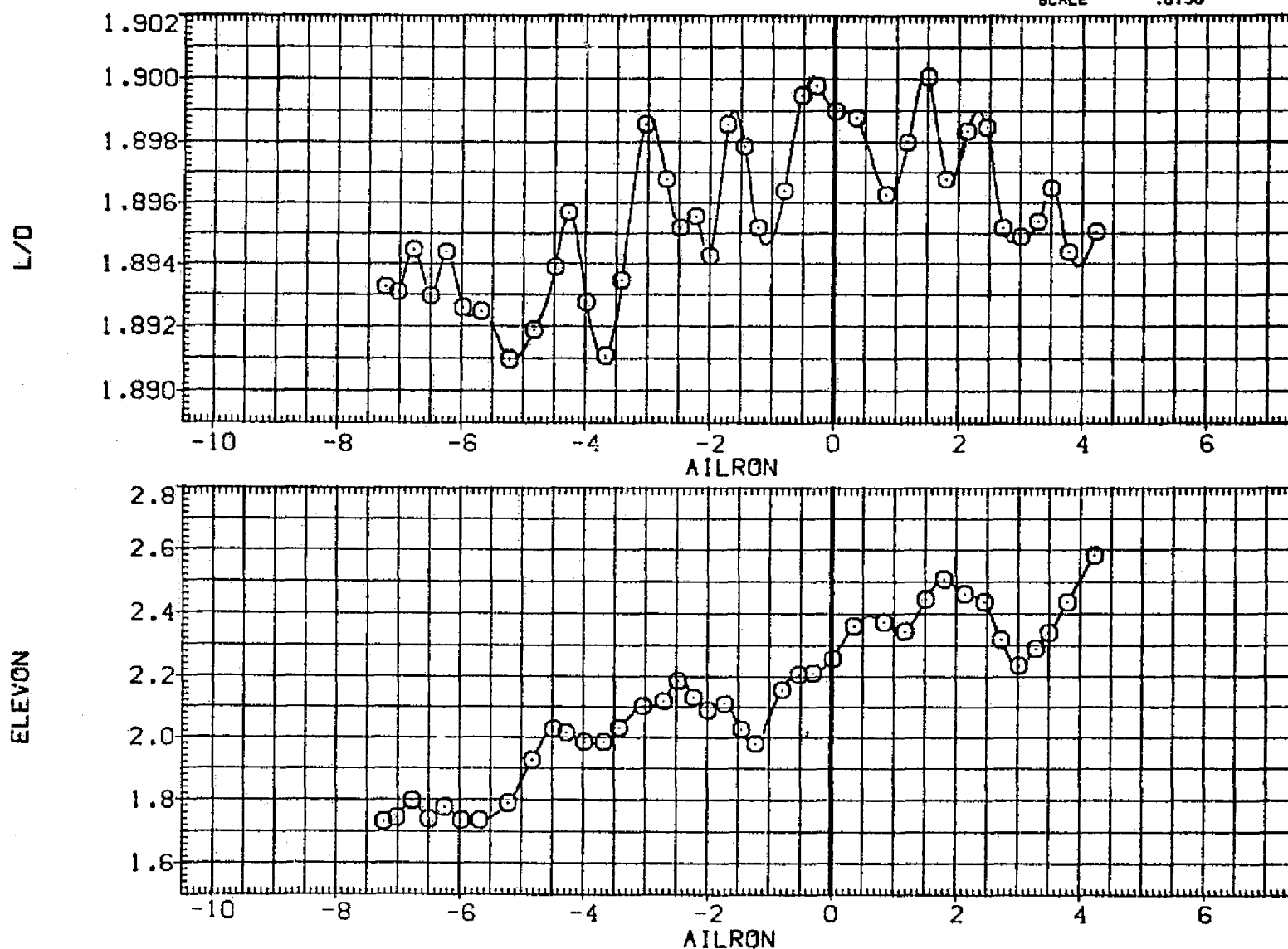


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS.

SYMBOL	MACH	PARAMETRIC VALUES
○	2.990	ALPHA 10.000 ELEVON .000
		SPDRK 55.000 RN/L 10.000
		GRITNO .000 RCSPS 1.000
		BETA .000 BDFLAP .000
		RUDDER .000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

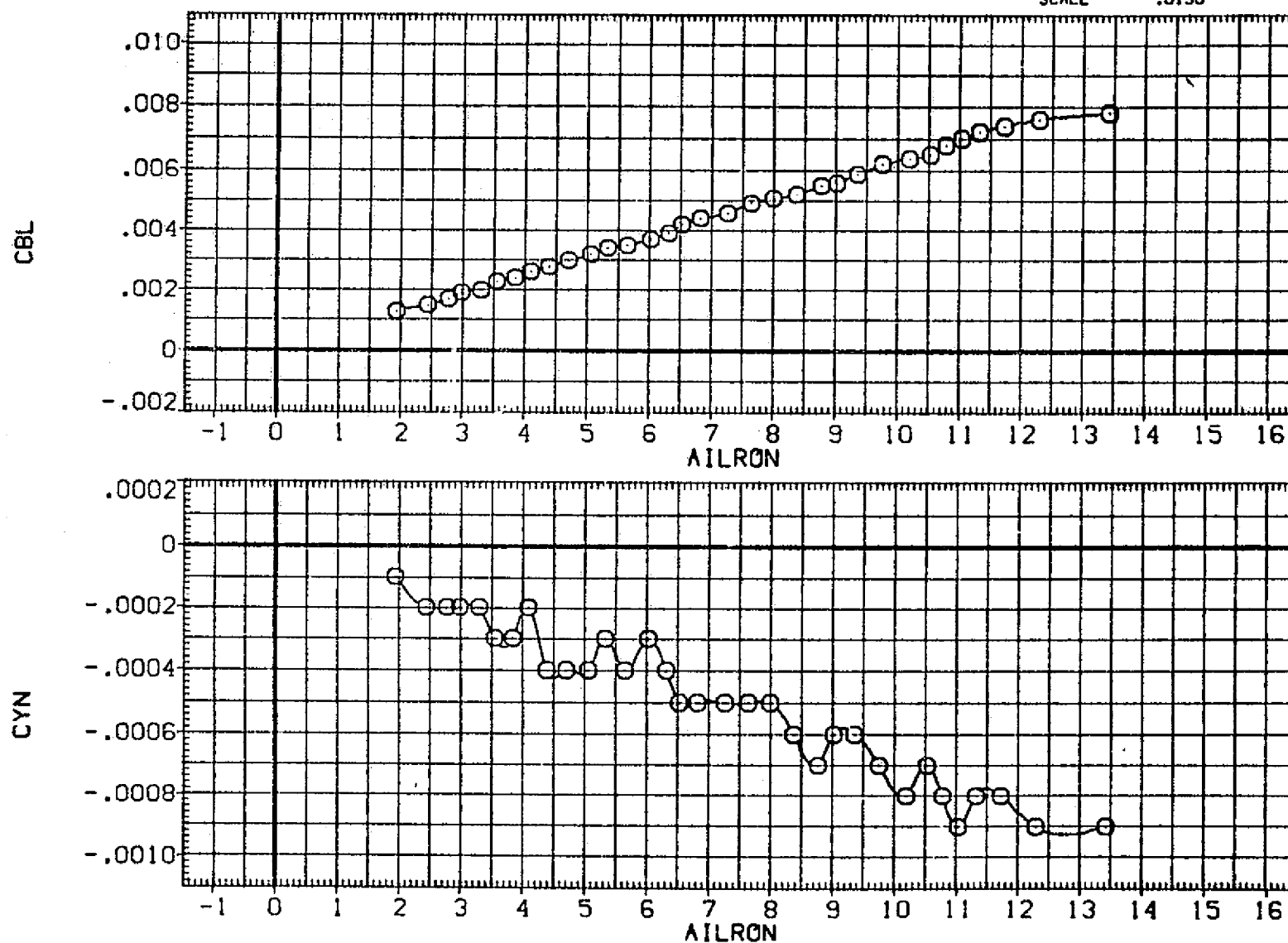


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD119)

SYMBOL
○MACH
2.990

PARAMETRIC VALUES

ALPHA	10.000	ELEVON	.000
SPDBRK	55.000	RN/L	10.000
GRITND	.000	RCSPOS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

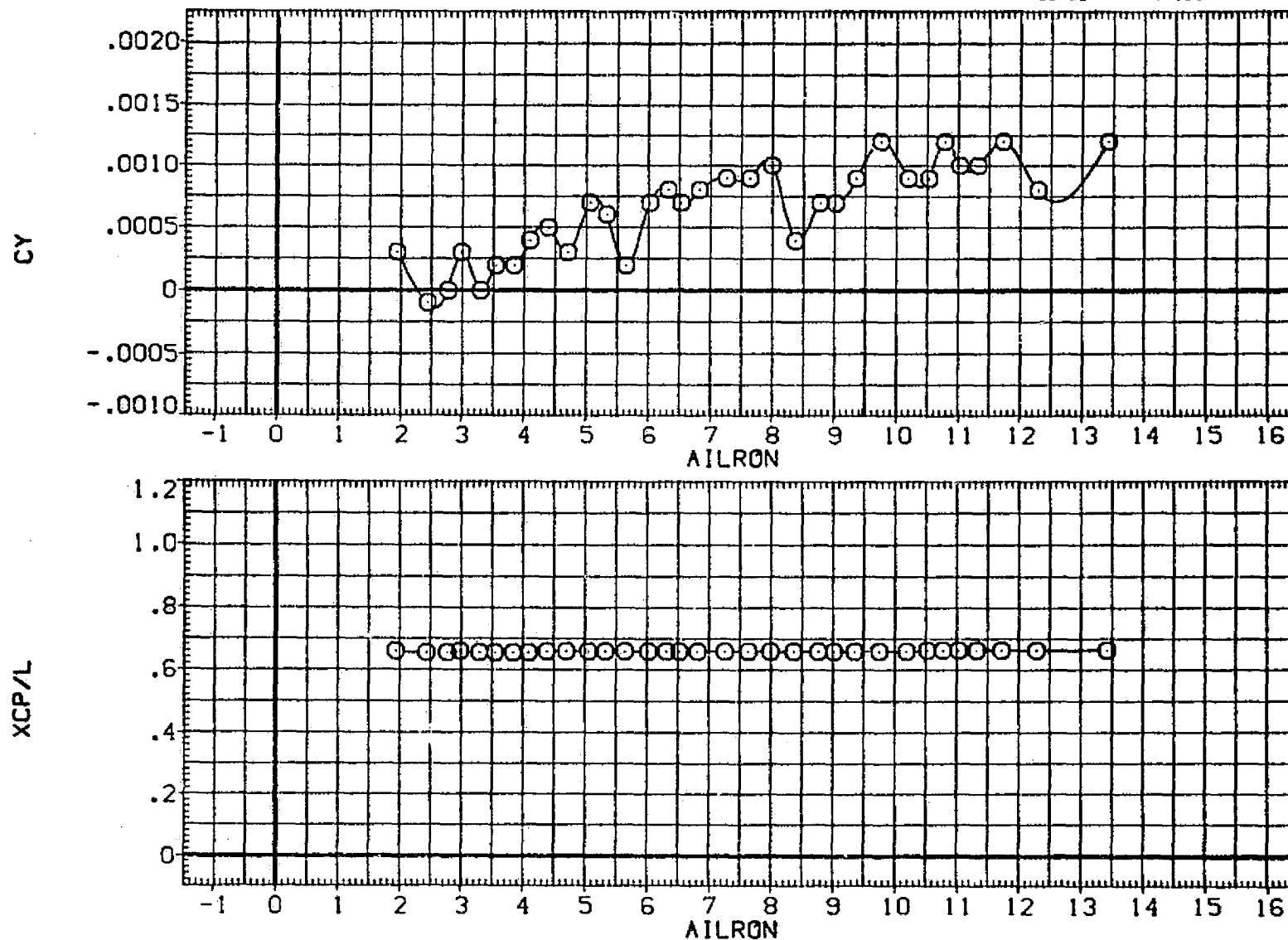


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
2.990ALPHA
SPDRK
GRITNO
BETA
RUDDER

PARAMETRIC VALUES

ALPHA	10.000	ELEVON	.000
SPDRK	55.000	RN/L	10.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XHRP	1076.7000	IN. X0
YHRP	.0000	IN. Y0
ZHRP	375.0000	IN. Z0
SCALE	.0150	

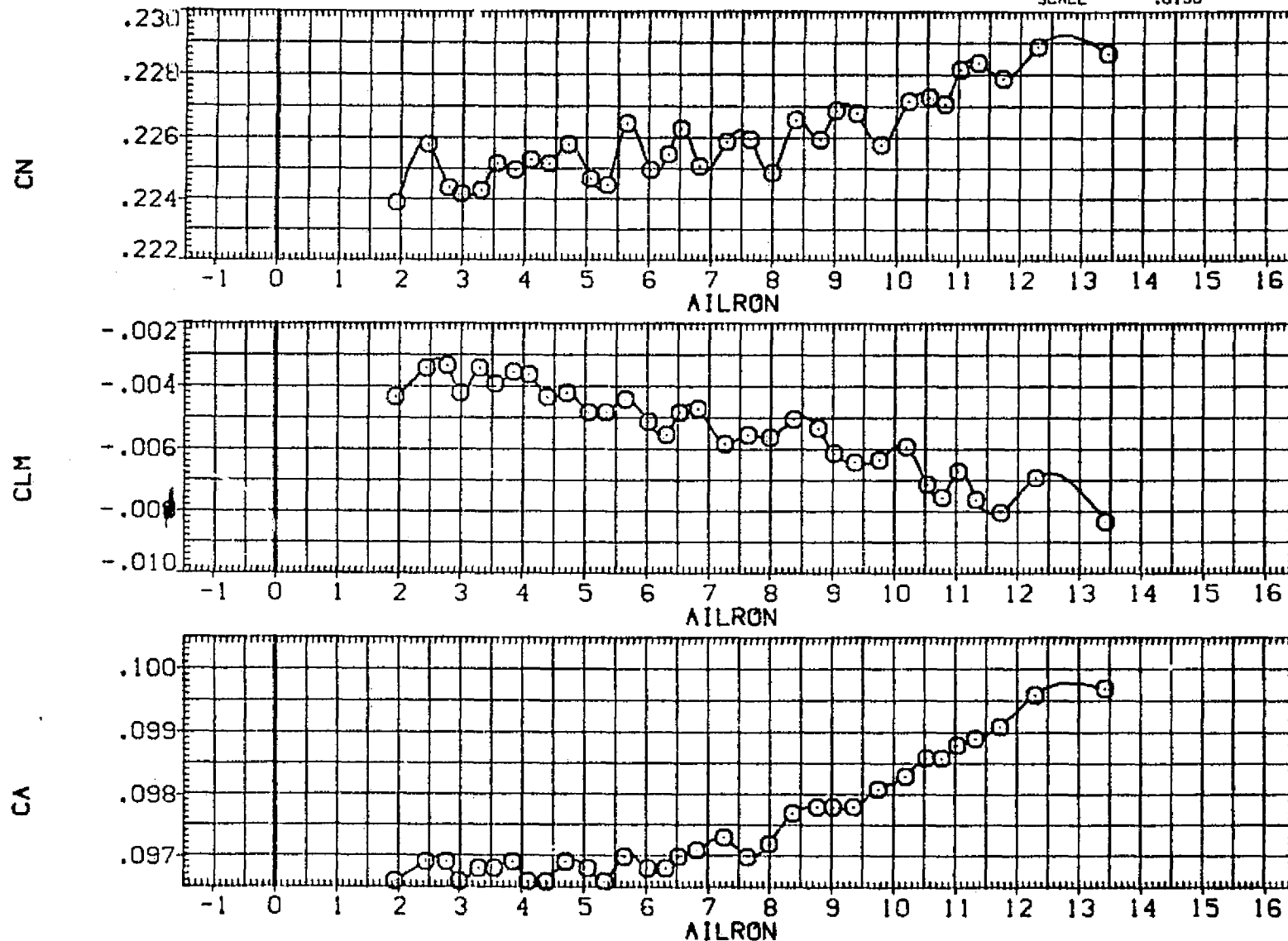


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LAG7 (LTV 552) ORBITER 49-0

(SFD119)

SYMBOL
○MACH
2.990

PARAMETRIC VALUES			
ALPHA	10.000	ELEVON	.000
SPDRK	55.000	RN/L	10.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	926.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

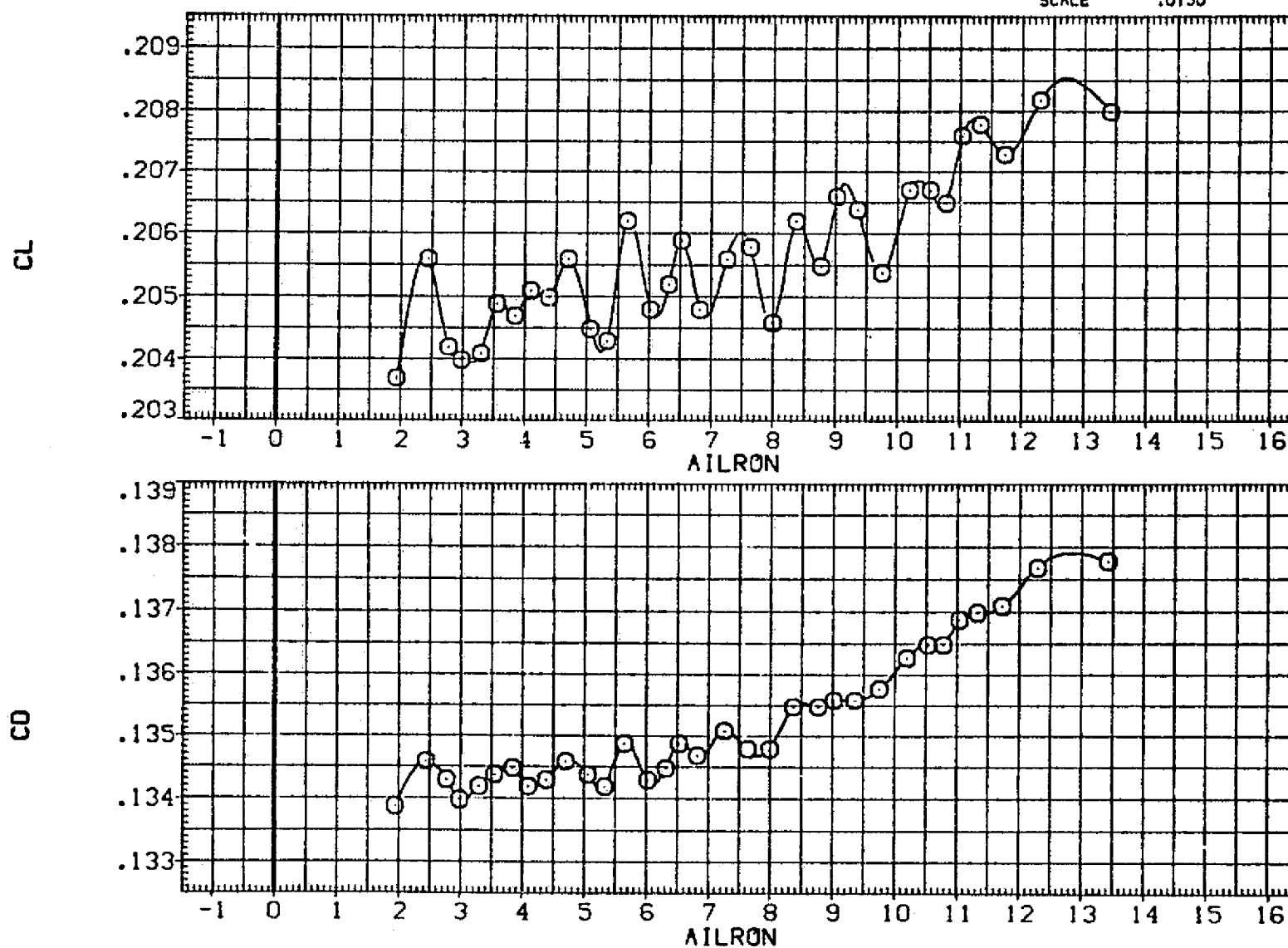


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES
○	2.990	ALPHA 10.000 ELEVON .000
		SPDBRK 55.000 RN/L 10.000
		GMITNO .000 RCSPDS 1.000
		BETA .000 BDFLAP .000
		RUDDER .000

REFERENCE INFORMATION
SREF 2690.0000 SO.FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

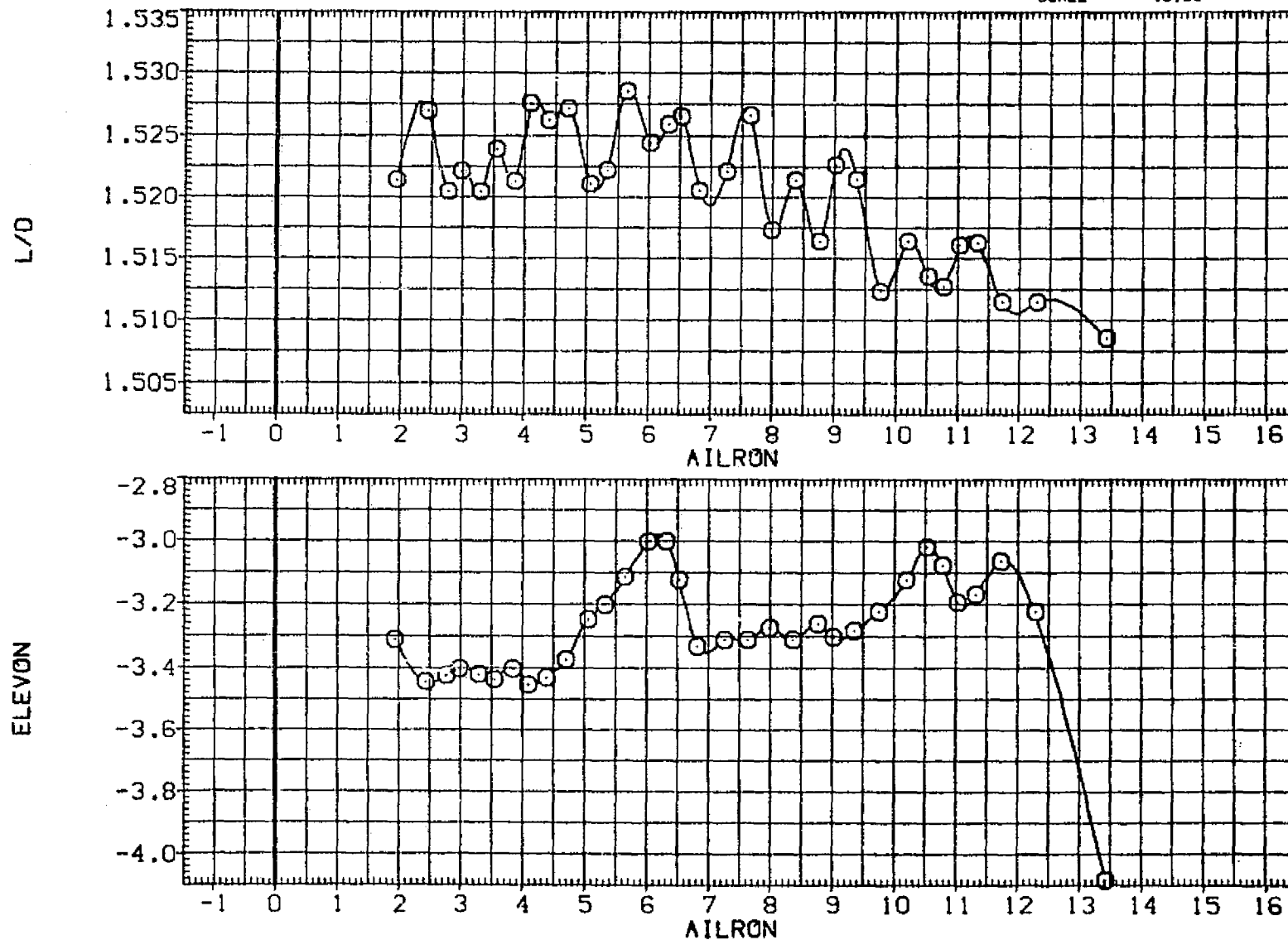


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA07 (LTV 552) ORBITER 49-0

(AFD120)

SYMBOL
○

MACH
2.990

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	.000
SPDBRK	55.000	RN/L	10.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

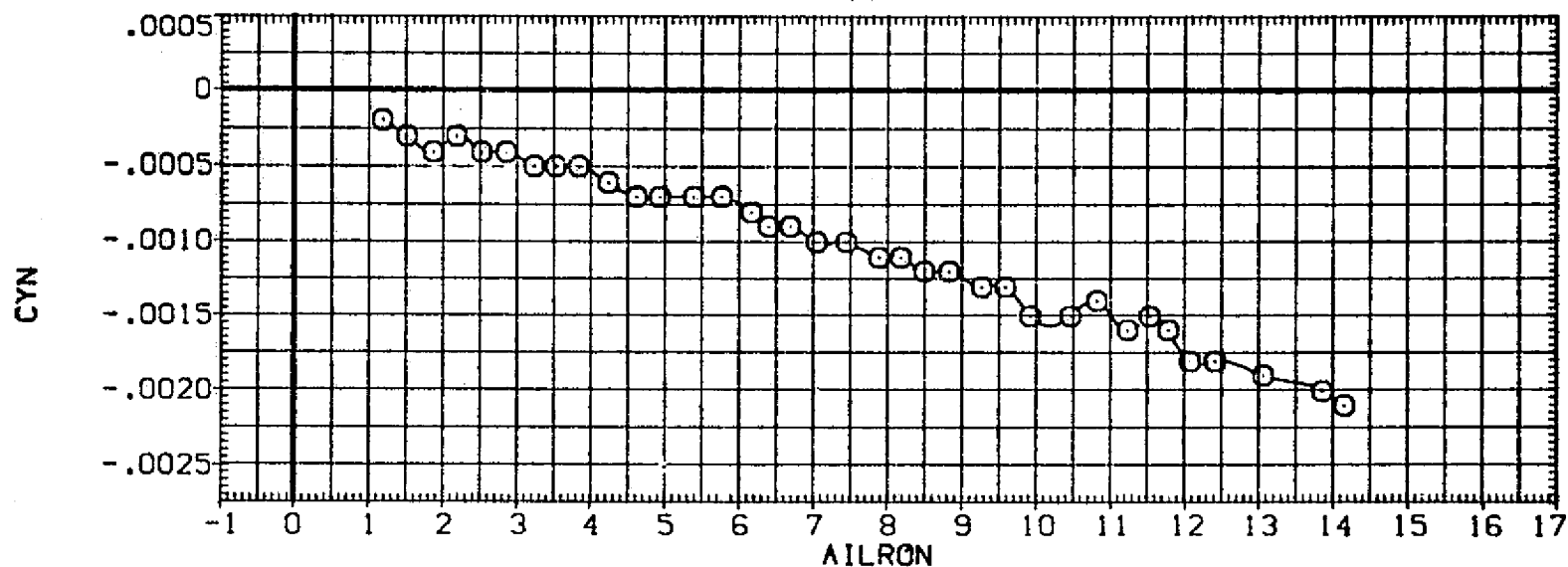
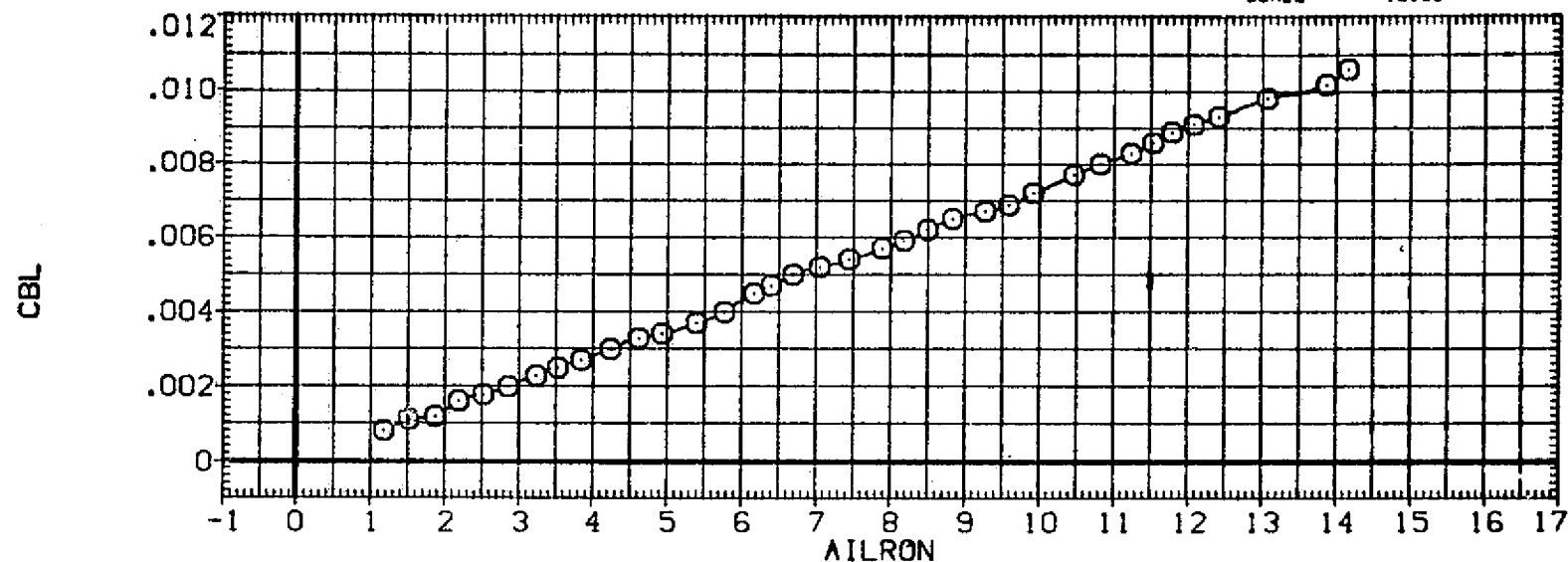


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	2.990	ALPHA	15.000	ELEVON	.000
		SPDBRK	55.000	RN/L	10.000
		GRITNO	.000	RCSPQS	1.000
		BETA	.000	BOFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

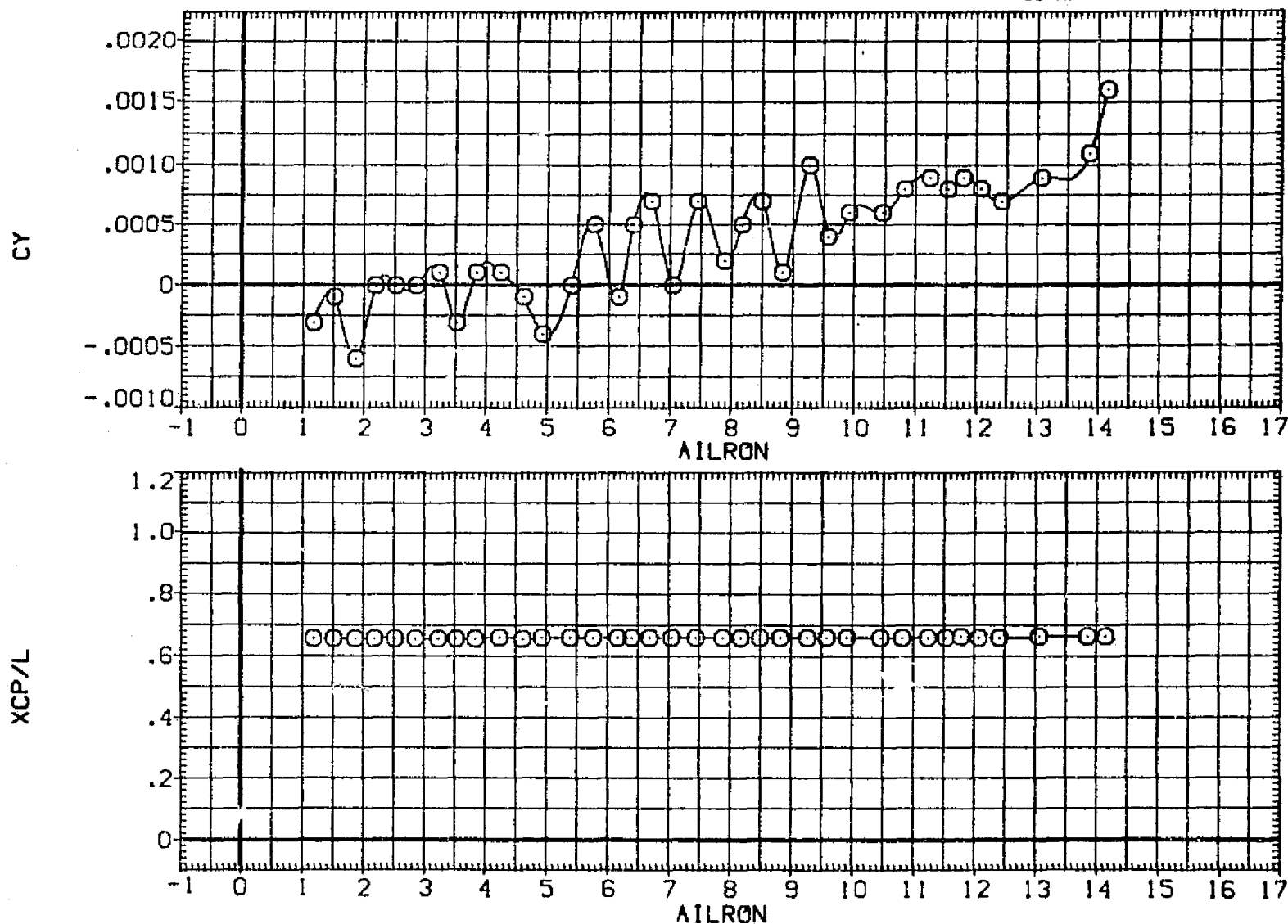


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD120)

SYMBOL
○MACH
2.990

PARAMETRIC VALUES

ALPHA	15.000	ELEVON	.000
SPDBRK	55.000	RN/L	10.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X10
YMRP	.0000	IN. Y10
ZMRP	375.0000	IN. Z0
SCALE	.0150	

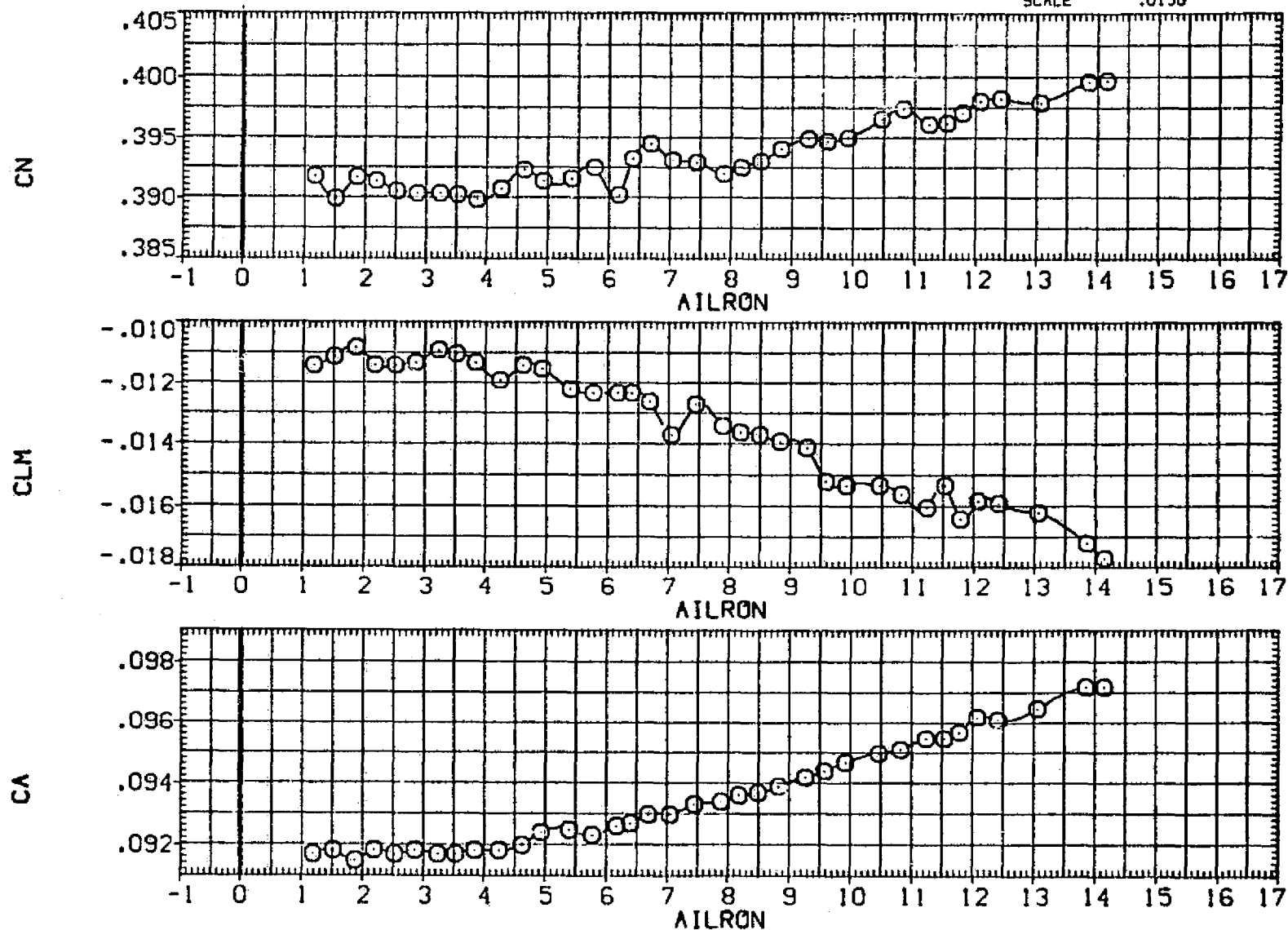


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	2.990	ALPHA	15.000	ELEVON	.000
		SPOBRK	55.000	RN/L	10.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMHP	1076.7000	IN. X0
YMHP	.0000	IN. Y0
ZMHP	375.0000	IN. Z0
SCALE	.0150	

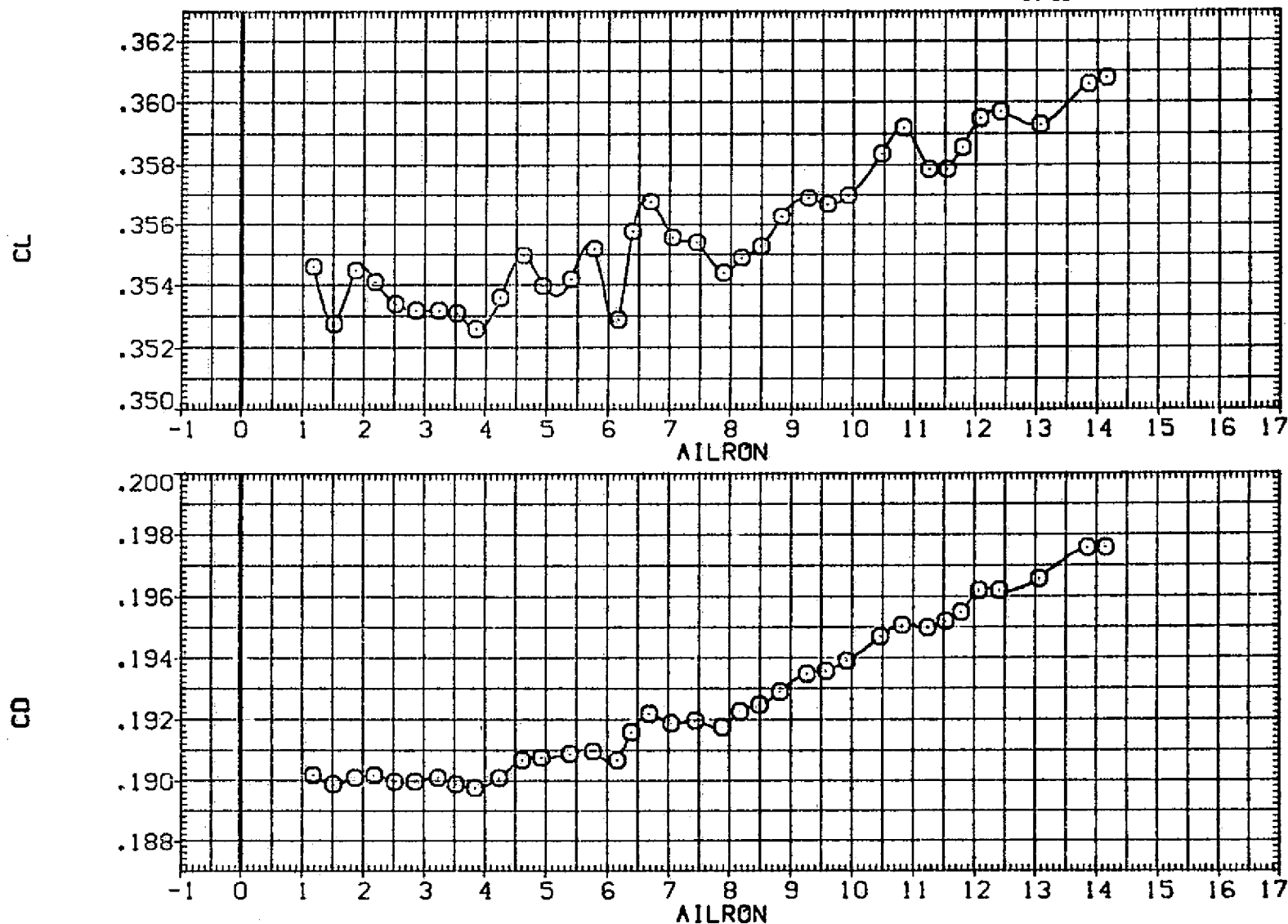


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LIV 552) ORBITER 49-0

(SFD120)

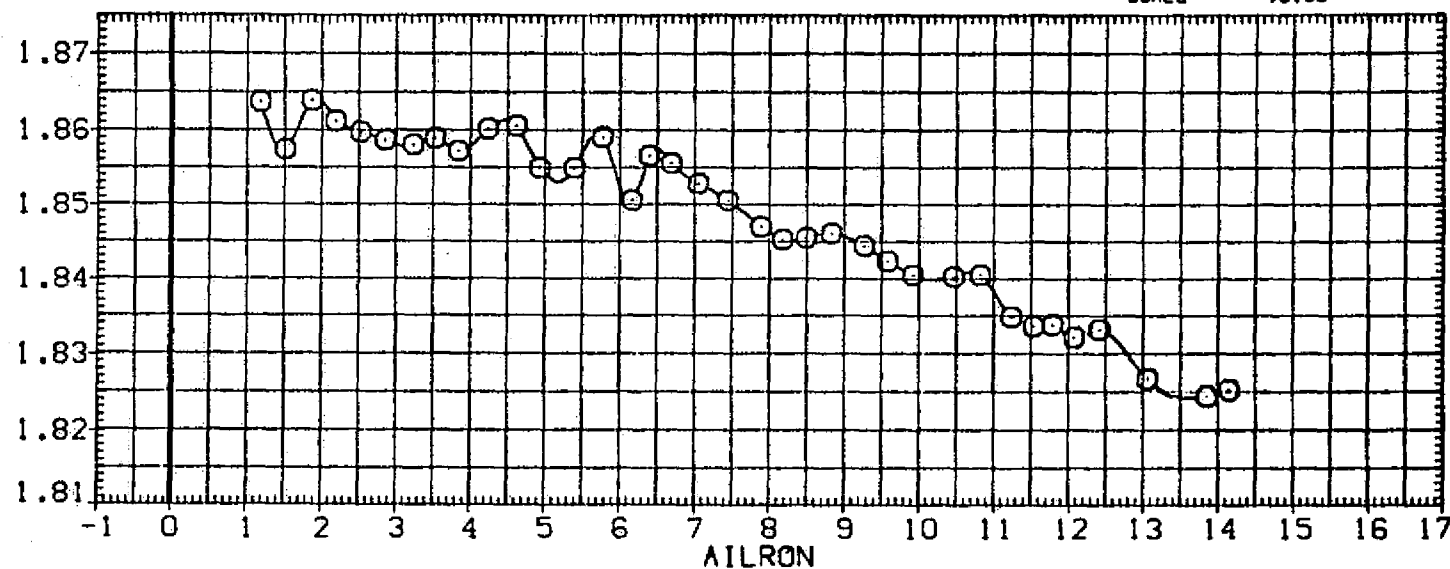
SYMBOL
○MACH
2.990

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	.000
SPOBRK	55.000	RN/L	10.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

L/D



ELEVON

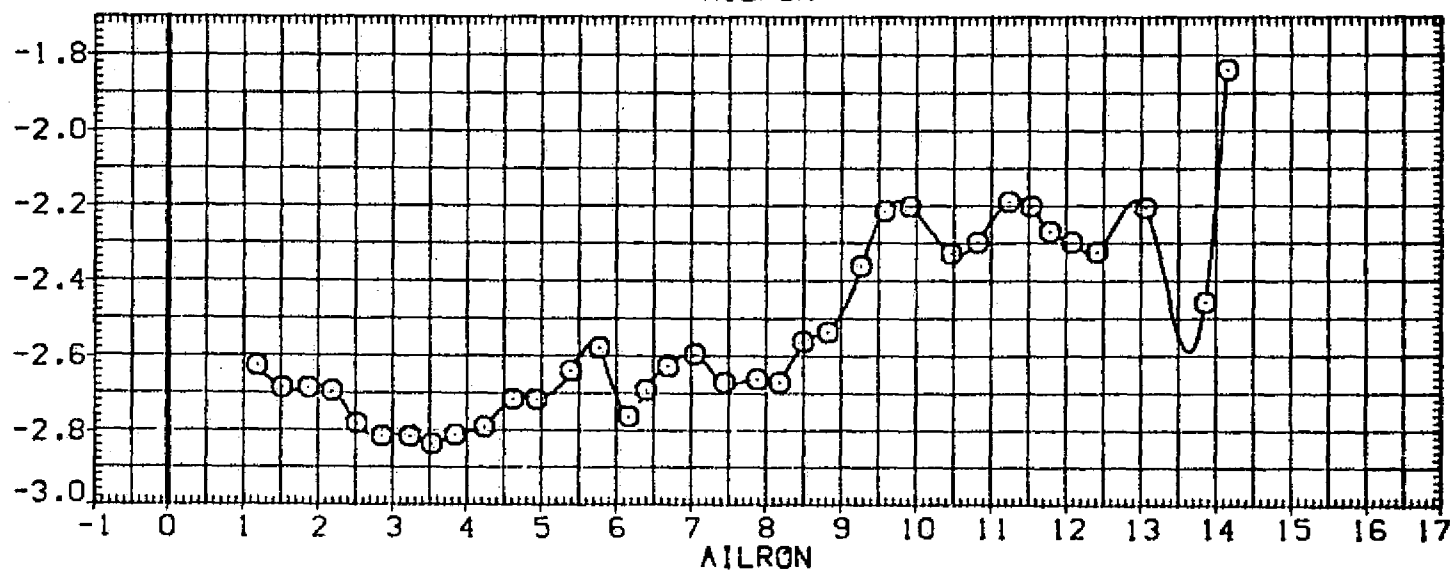


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES
○	2.990	ALPHA 15.000 ELEVON 5.000
		SPDBRK 55.000 RN/L 10.000
		GRITND .000 RCSP05 1.000
		BETA .000 BDFLAP .000
		RUDDER .000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

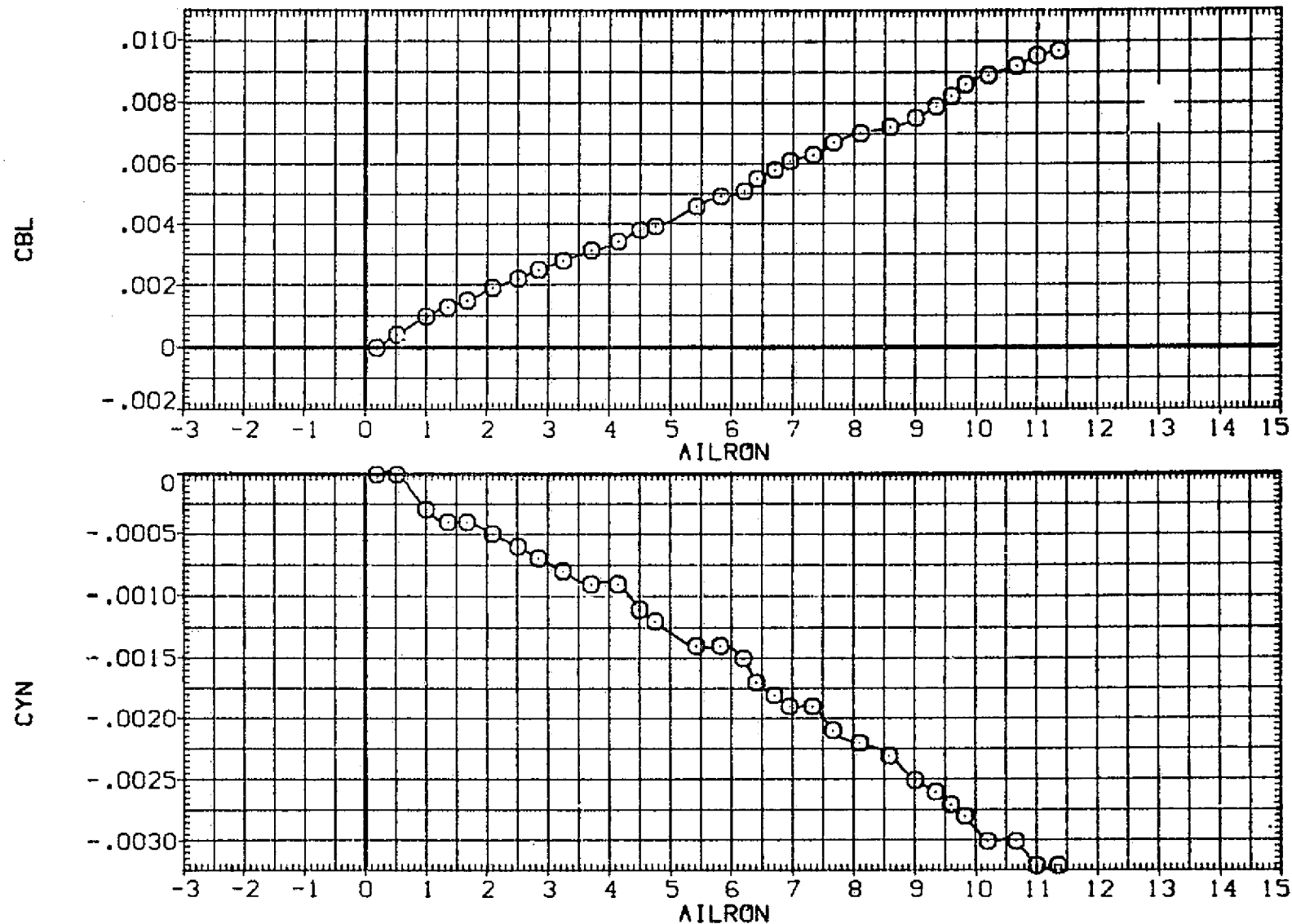


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 5521) ORBITER 49-0

(AFD121)

SYMBOL	MACH	PARAMETRIC VALUES			
○	2.990	ALPHA	15.000	ELEVON	5.000
		SPOBRK	55.000	RN/L	10.000
		GRITND	.000	RCSPQS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

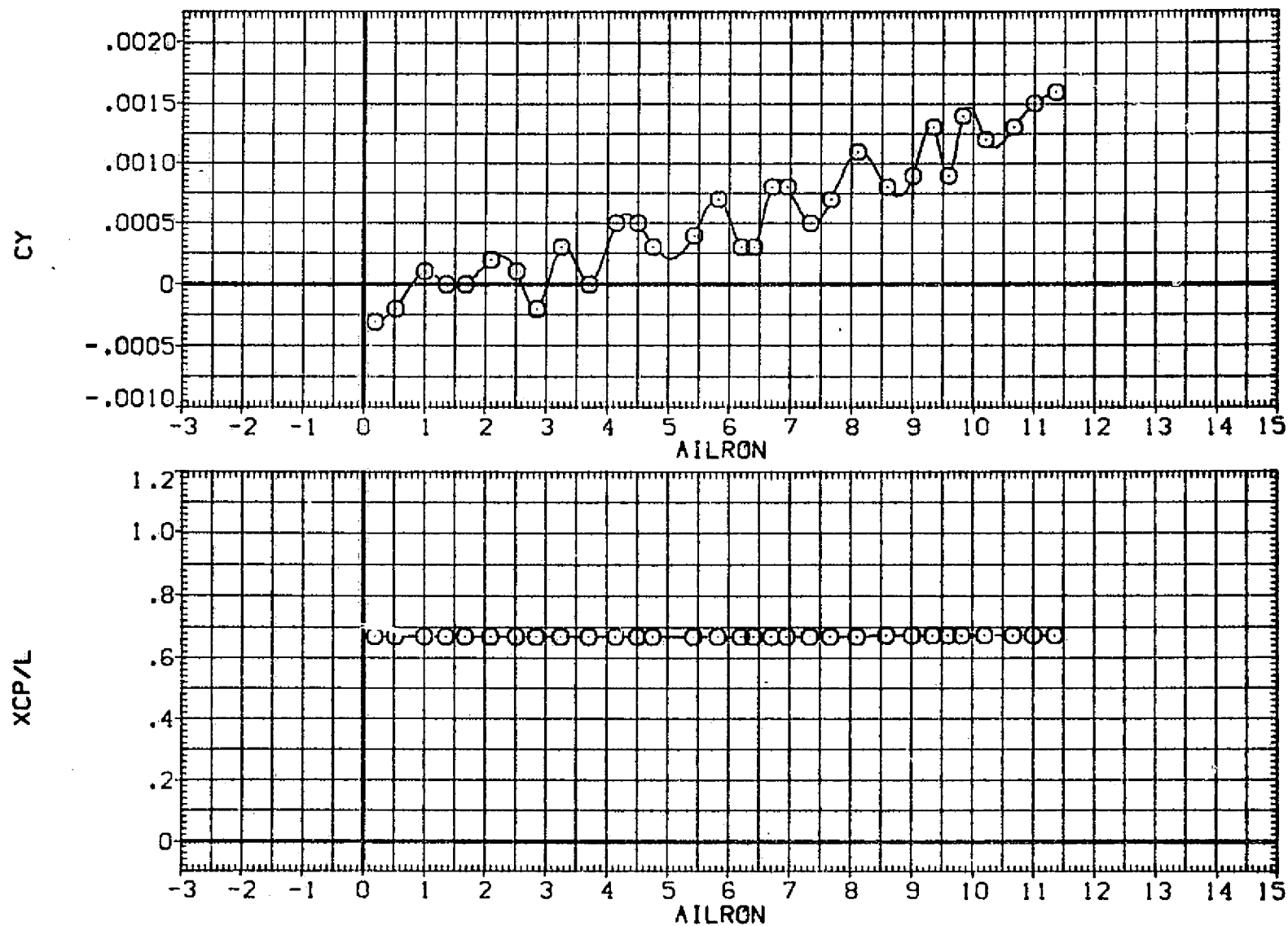


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES
○	2.990	ALPHA 15.000 ELEVON 5.000
		SPOBRK 55.000 RN/L 10.000
		GRITNO .000 RCSPDS 1.000
		BETA .000 BDFLAP .000
		RUDDER .000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

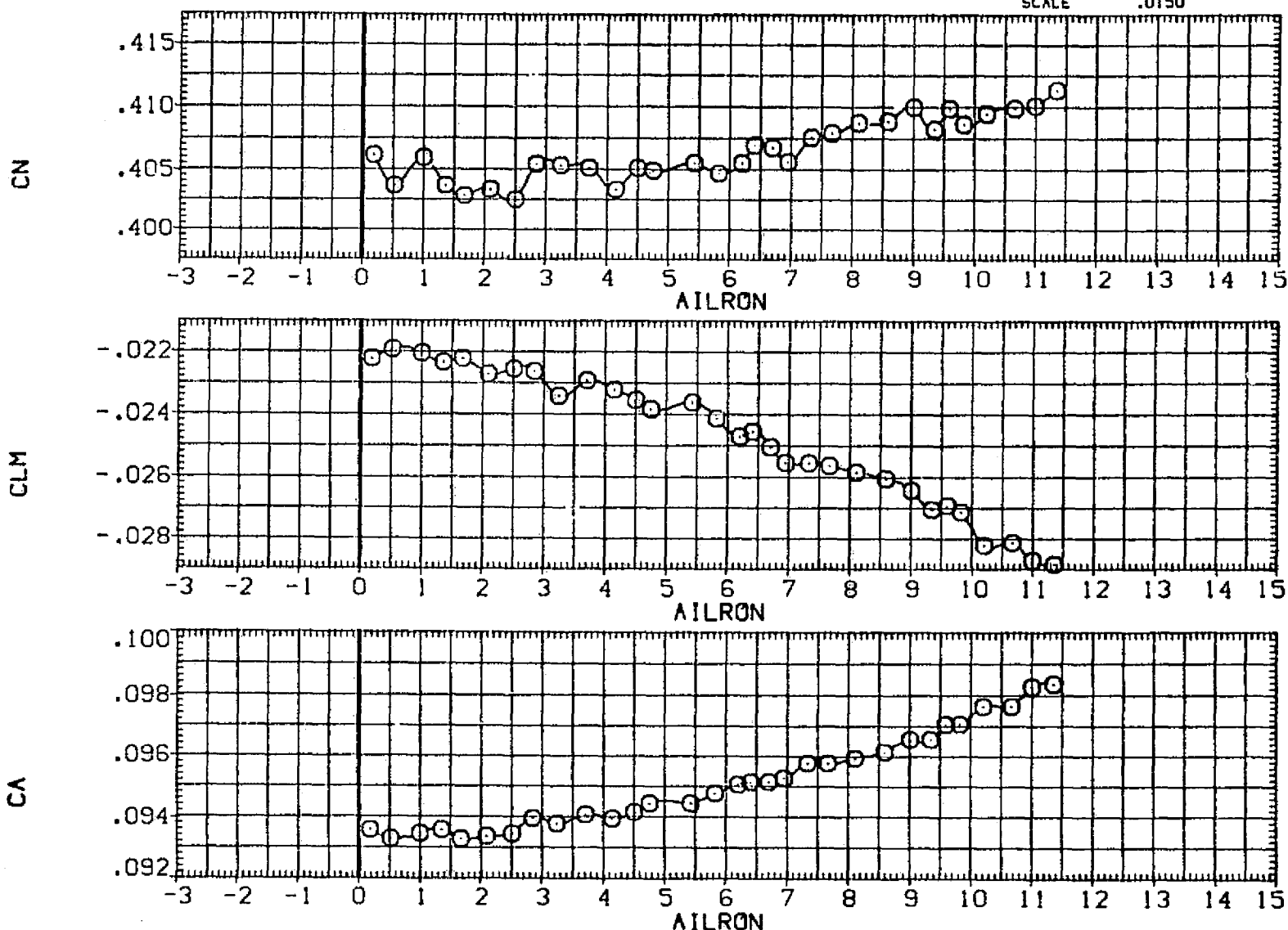


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SFD121)

SYMBOL
○

MACH
2.990

ALPHA
SPDBRK
GRITNO
BETA
RUDDER

PARAMETRIC VALUES

15.000
55.000
.000
.000
.000
ELEVON
RN/L
RCSP05
BOFLAP
5.000
10.000
1.000
.000

REFERENCE INFORMATION

SREF 2690.0000 SQ. FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

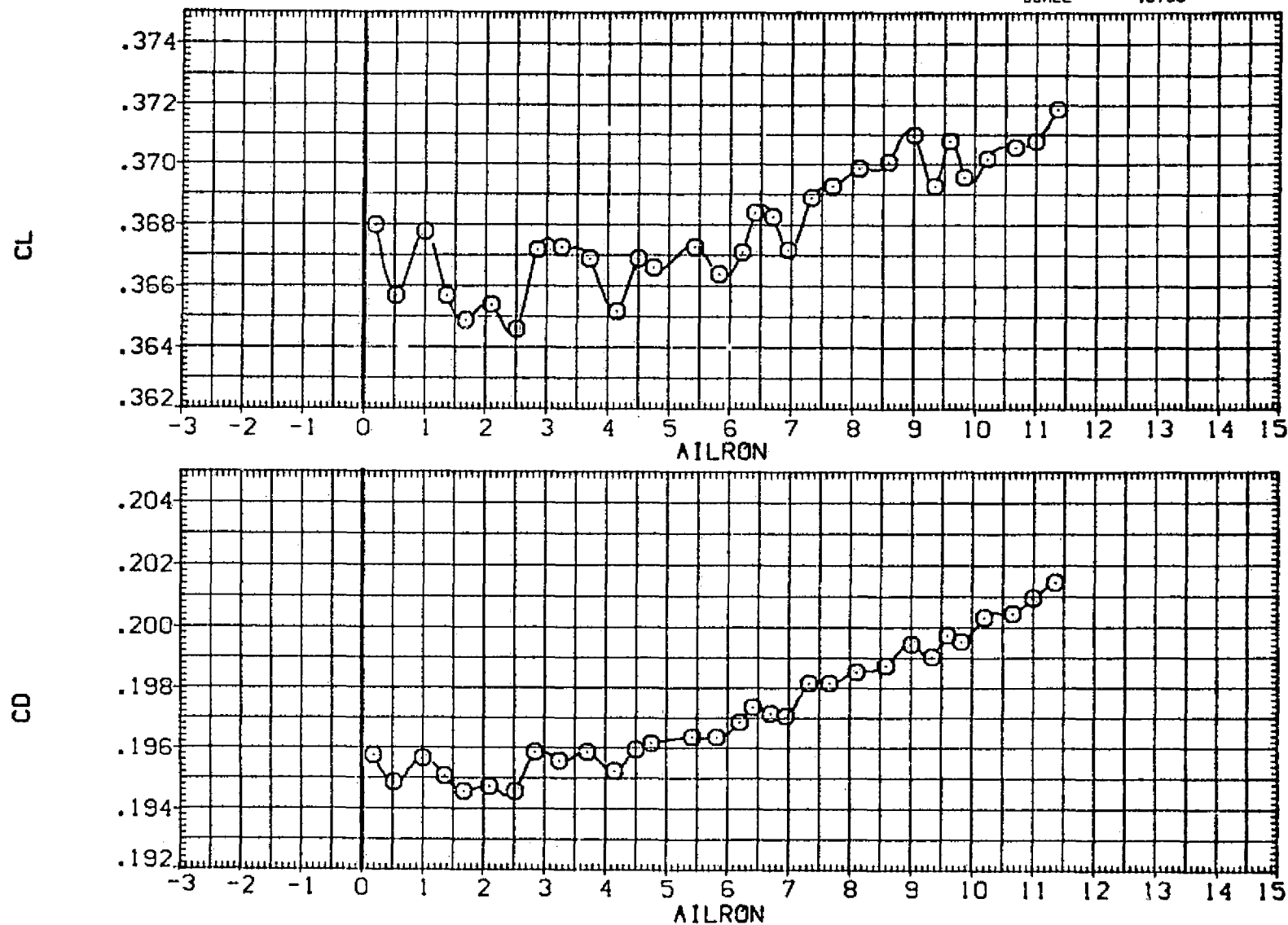
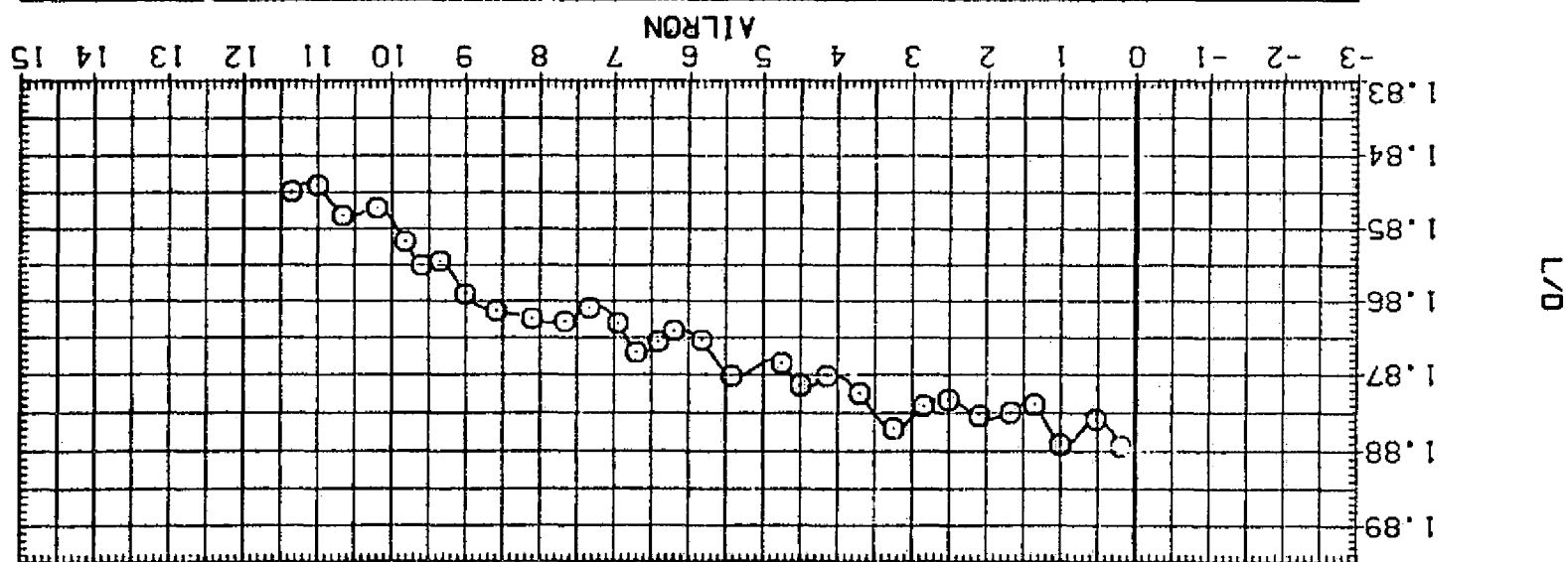
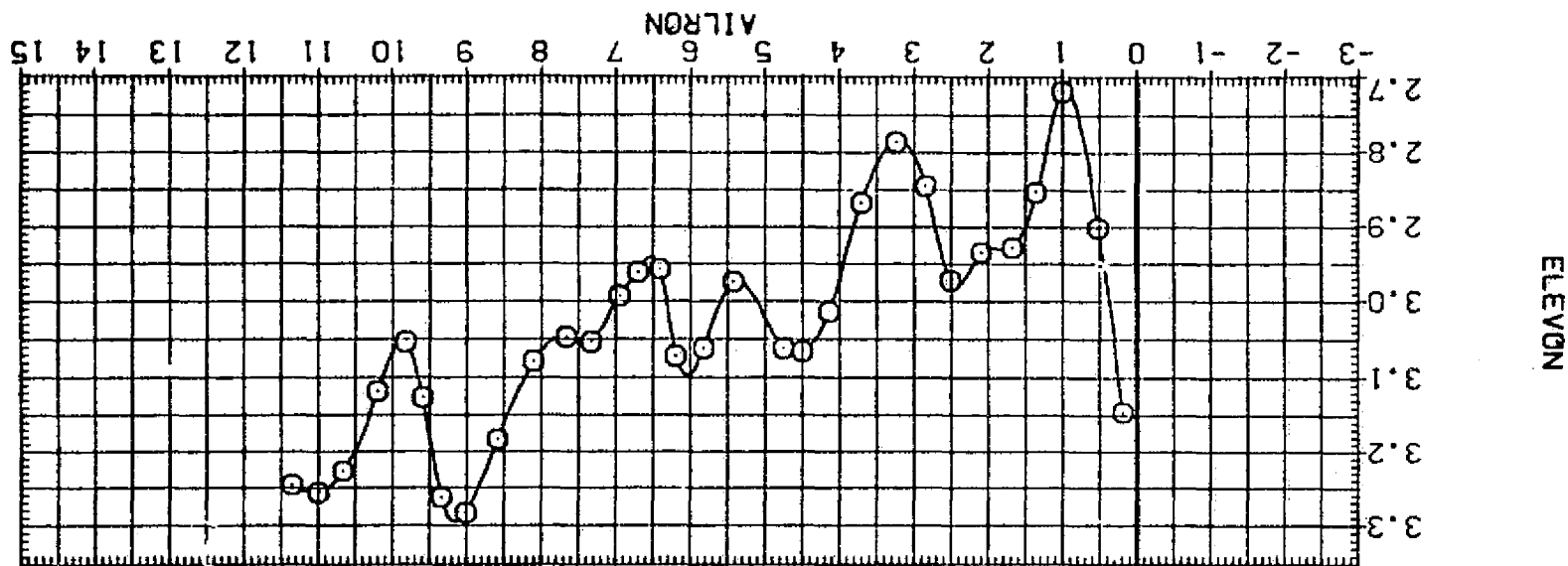


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS



SYMBOL	O
MACH	2.990
PARAMETRIC VALUES	
ALPHA	15.000
SPDRK	55.000
GRITND	1.000
BETA	1.000
RUDDER	1.000
BOFLAP	1.000
RN/L	10.000
ELEVON	5.000
RCSPDS	1.000
SCALE	.0150
SREF	2690.0000
LREF	474.8000
BREF	936.7000
XMRP	1076.7000
YMRP	375.0000
ZMRP	375.0000
IN. 20	IN. 20
IN. 10	IN. 10
IN. 00	IN. 00
INCHES	INCHES
SO.FT.	SO.FT.

REFERENCE INFORMATION

(SF0121)

LAB/ (LIV 552) ORBITER 49-0

LA67 (LTV 332) ORBITER 49-0

(AFD122)

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	15.000	ELEVON	.000
		SPDBRK	55.000	RN/L	16.000
		GRITNO	.000	RCSPQS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SD.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

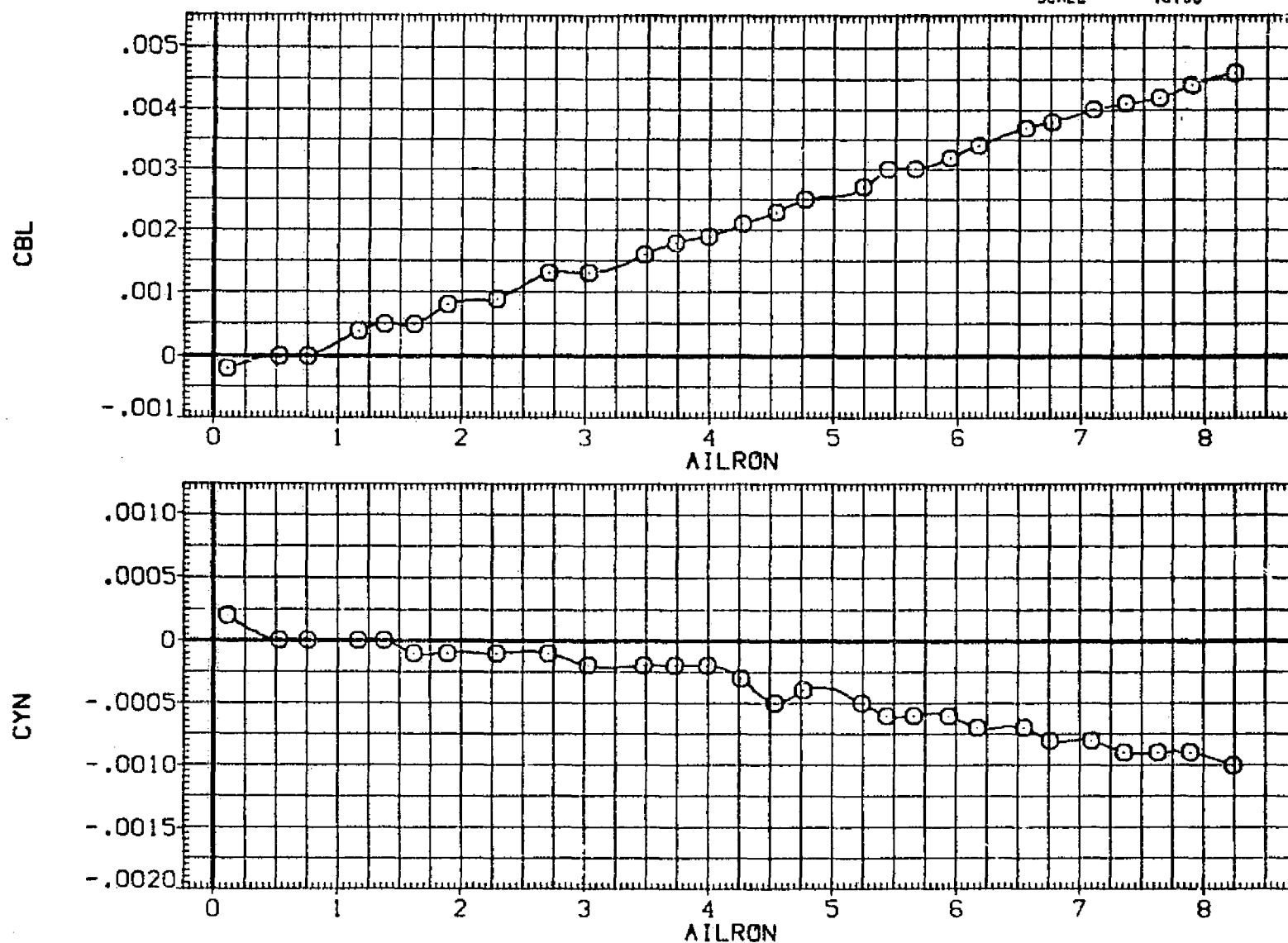


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	15.000	ELEVON	.000
		SPDBRK	55.000	RN/L	16.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

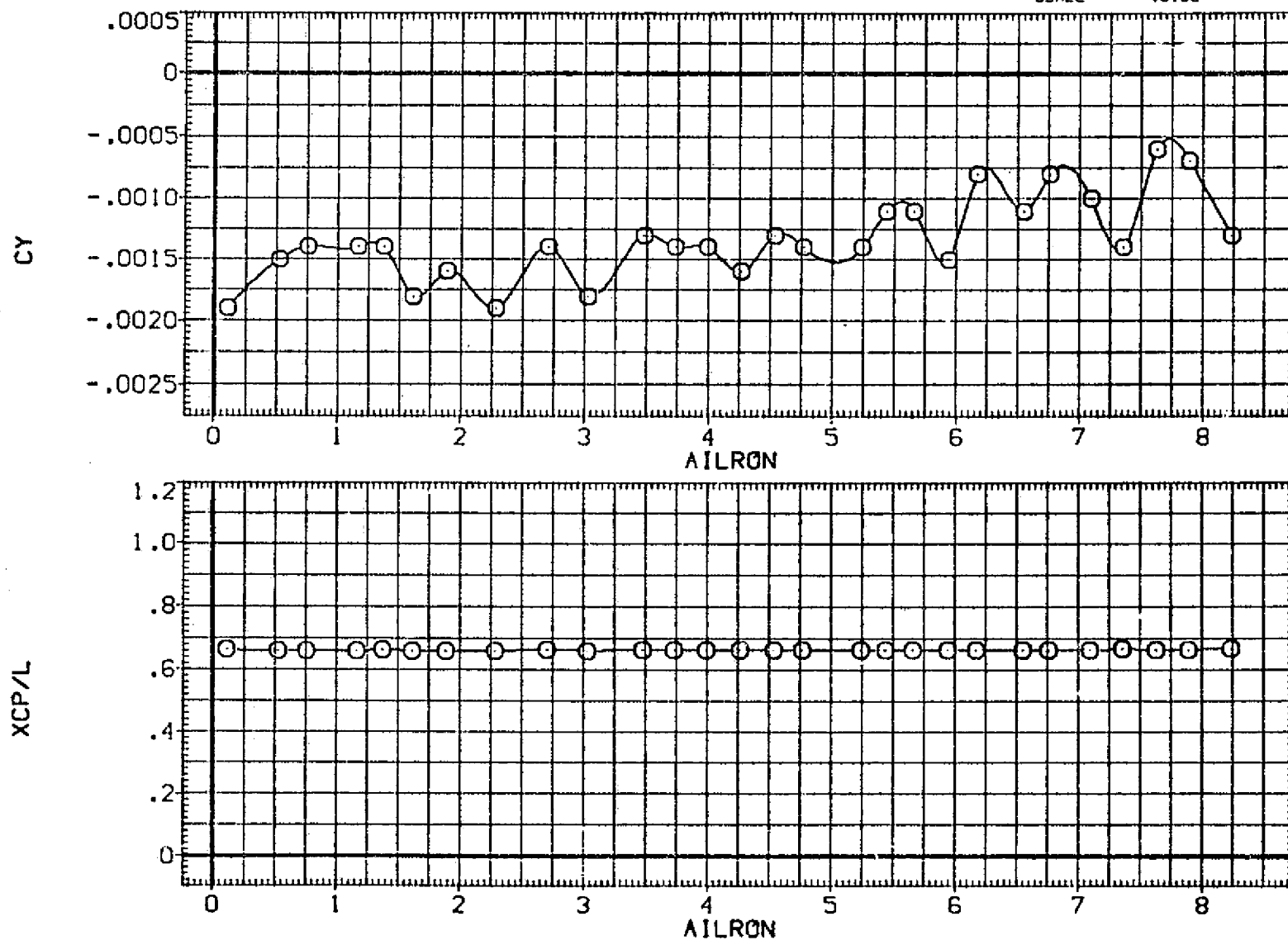


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LAG7 (LTV 552) ORBITER 49-0

(AFD122)

SYMBOL	MACH	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	4.591	ALPHA	15.000	ELEVON	.000	SREF	2690.0000	50. FT.
		SPDBRK	55.000	RN/L	18.000	LREF	474.8000	INCHES
		GRITND	.000	RCSPDS	1.000	BREF	936.7000	INCHES
		BETA	.000	BDFLAP	.000	XMRP	1076.7000	IN. X0
		RUDDER	.000			YMRP	.0000	IN. Y0
						ZMRP	375.0000	IN. Z0
						SCALE	.0150	

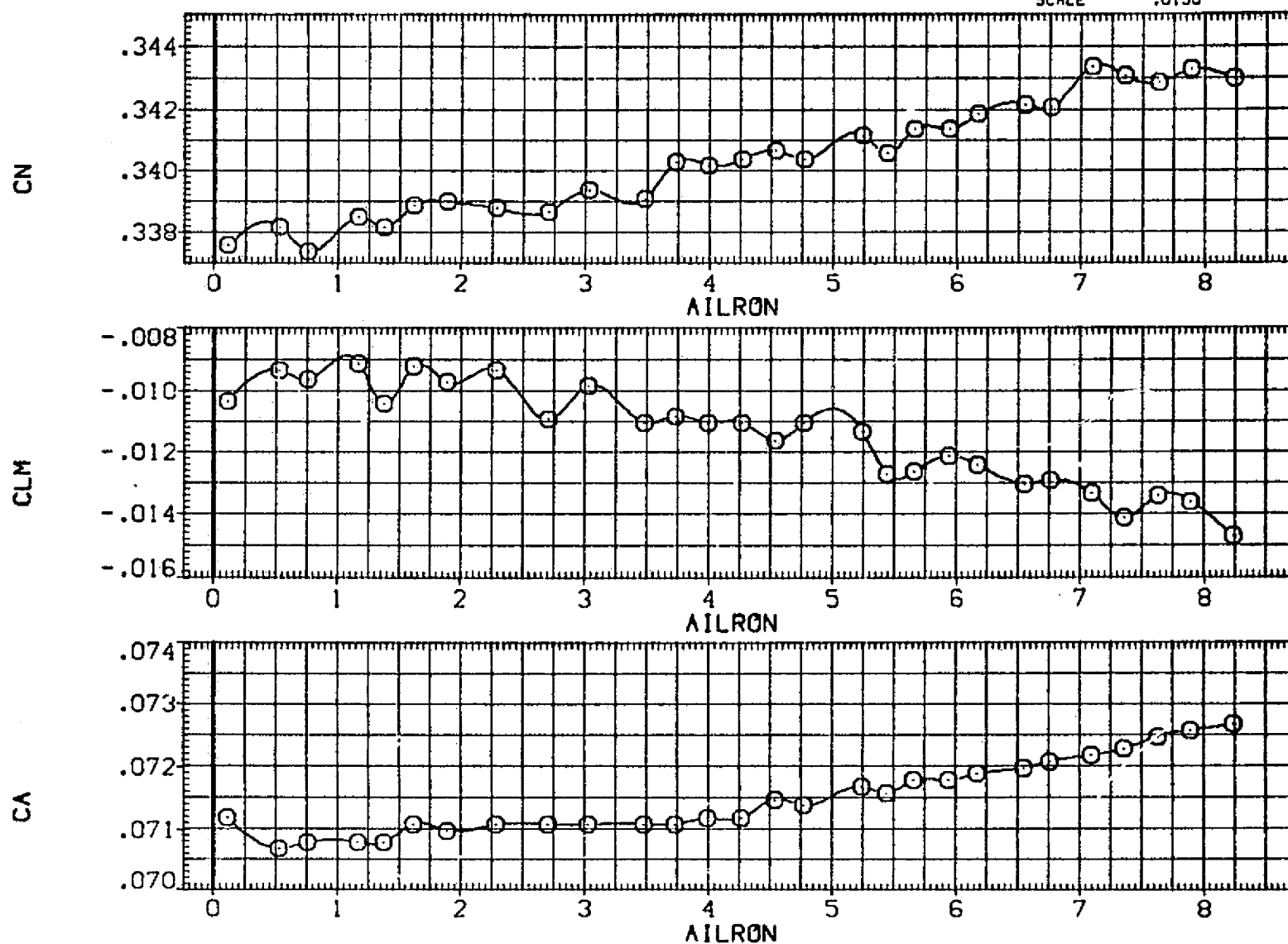


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
4.591

PARAMETRIC VALUES			
ALPHA	15.000	ELEVON	.000
SPDBRK	55.000	RN/L	16.000
GRITNO	.000	RCSPDS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	IN. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

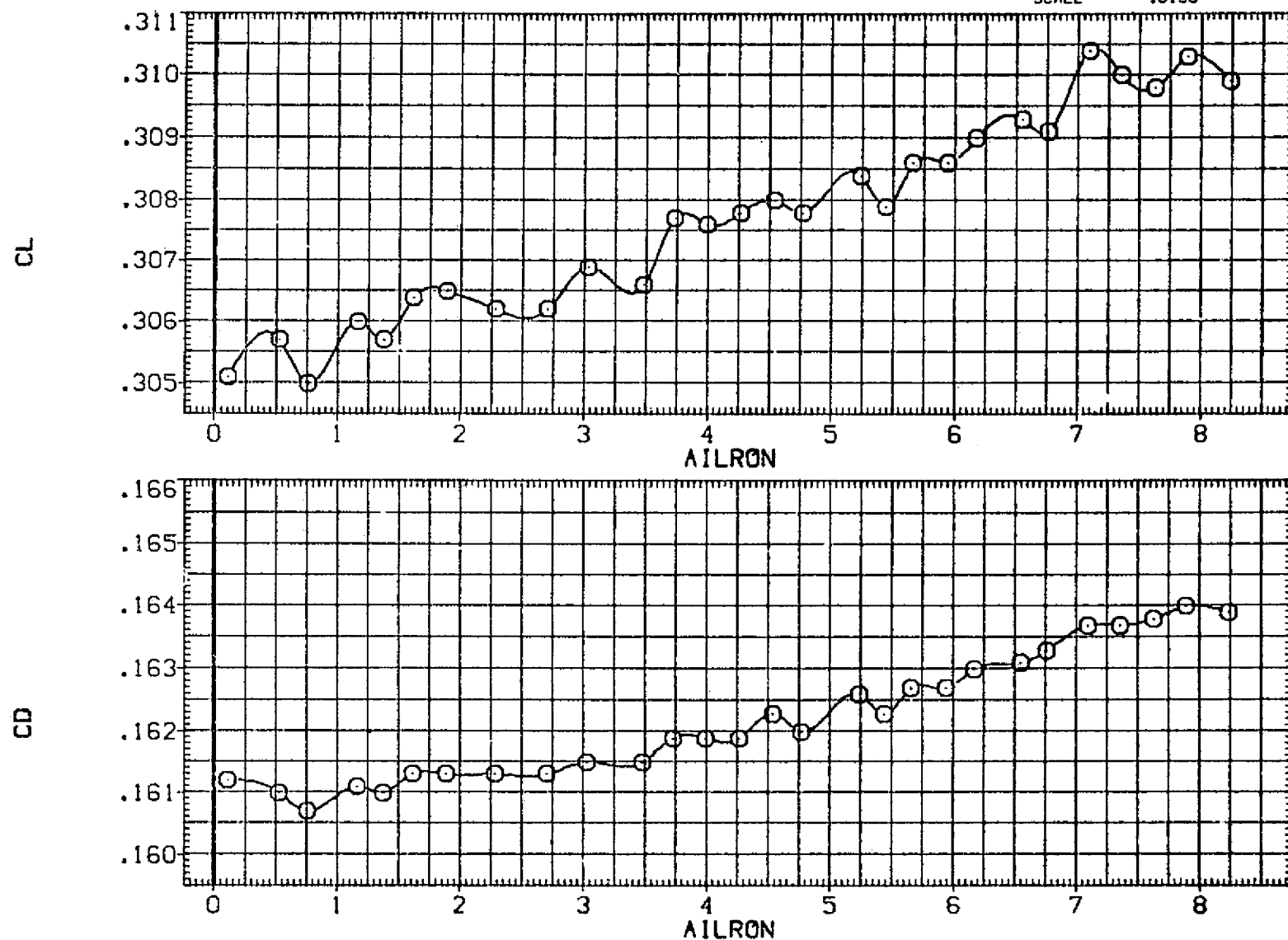


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 43-C

(SFD122)

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	15.000	ELEVON	.000
		SPOBRK	55.000	RN/L	16.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

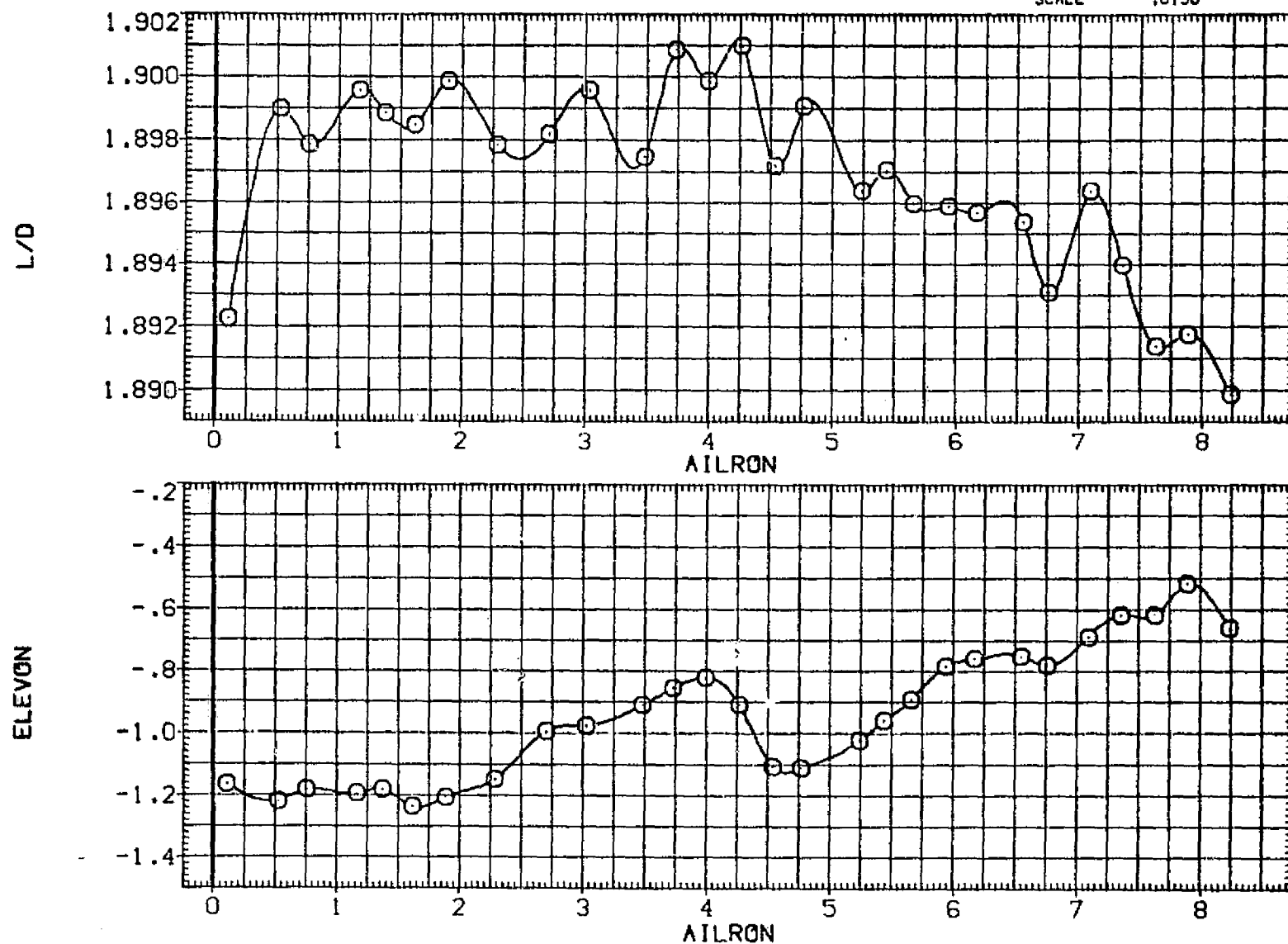


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES
○	4.591	ALPHA 20.000 ELEVON .000
		SPDBRK 55.000 RN/L 16.000
		GRITNG .000 RCSPQS 1.000
		BETA .000 BDFLAP .000
		RUDDER .000

REFERENCE INFORMATION
SREF 2690.0000 SQ. FT.
LREF 474.8000 INCHES
BREF 936.7000 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

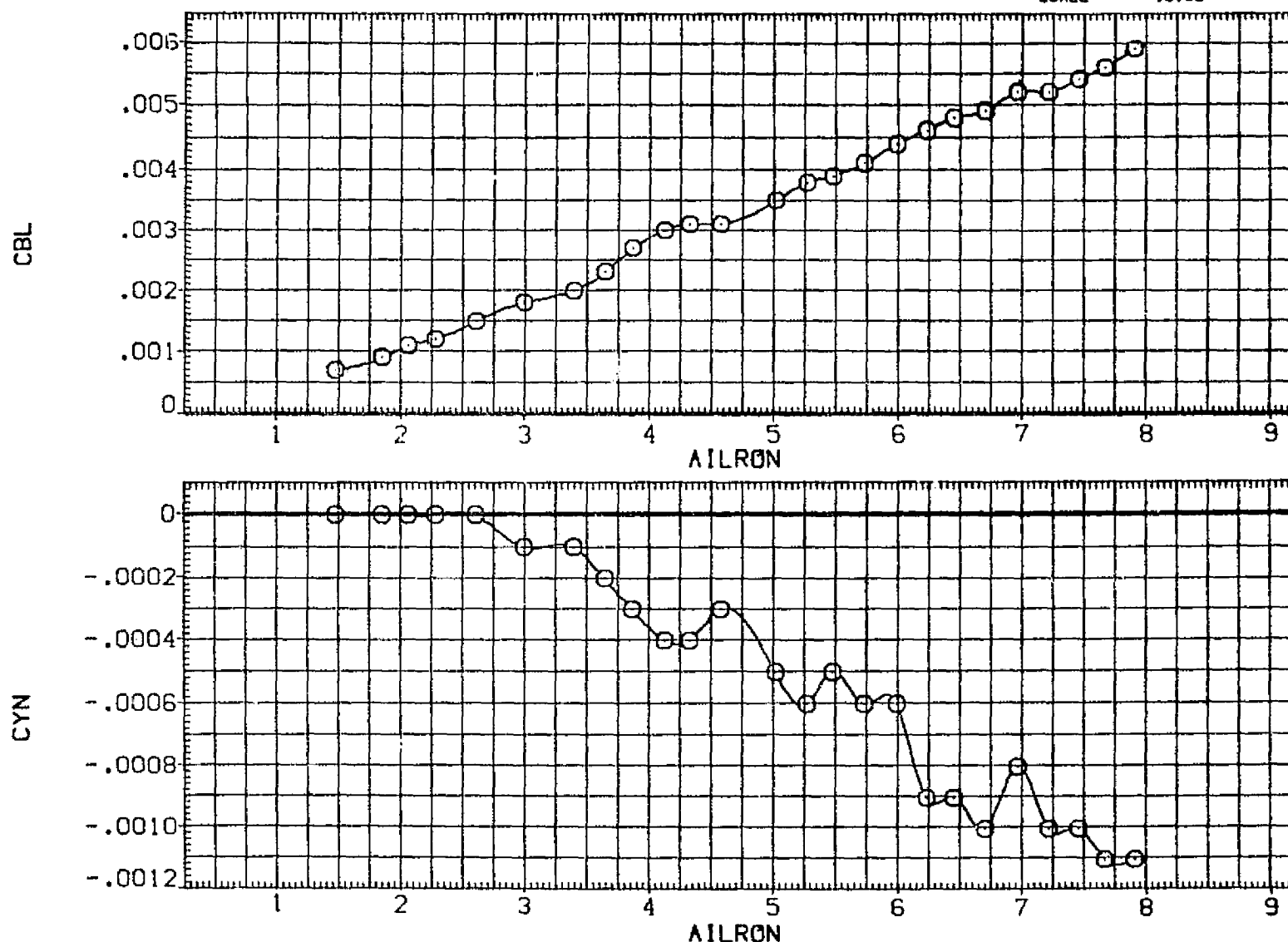


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LIV 552) ORBITER 49-0

(AFD123)

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.391	ALPHA	20.000	ELEVON	.000
		SPDBRK	55.000	RM/L	15.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

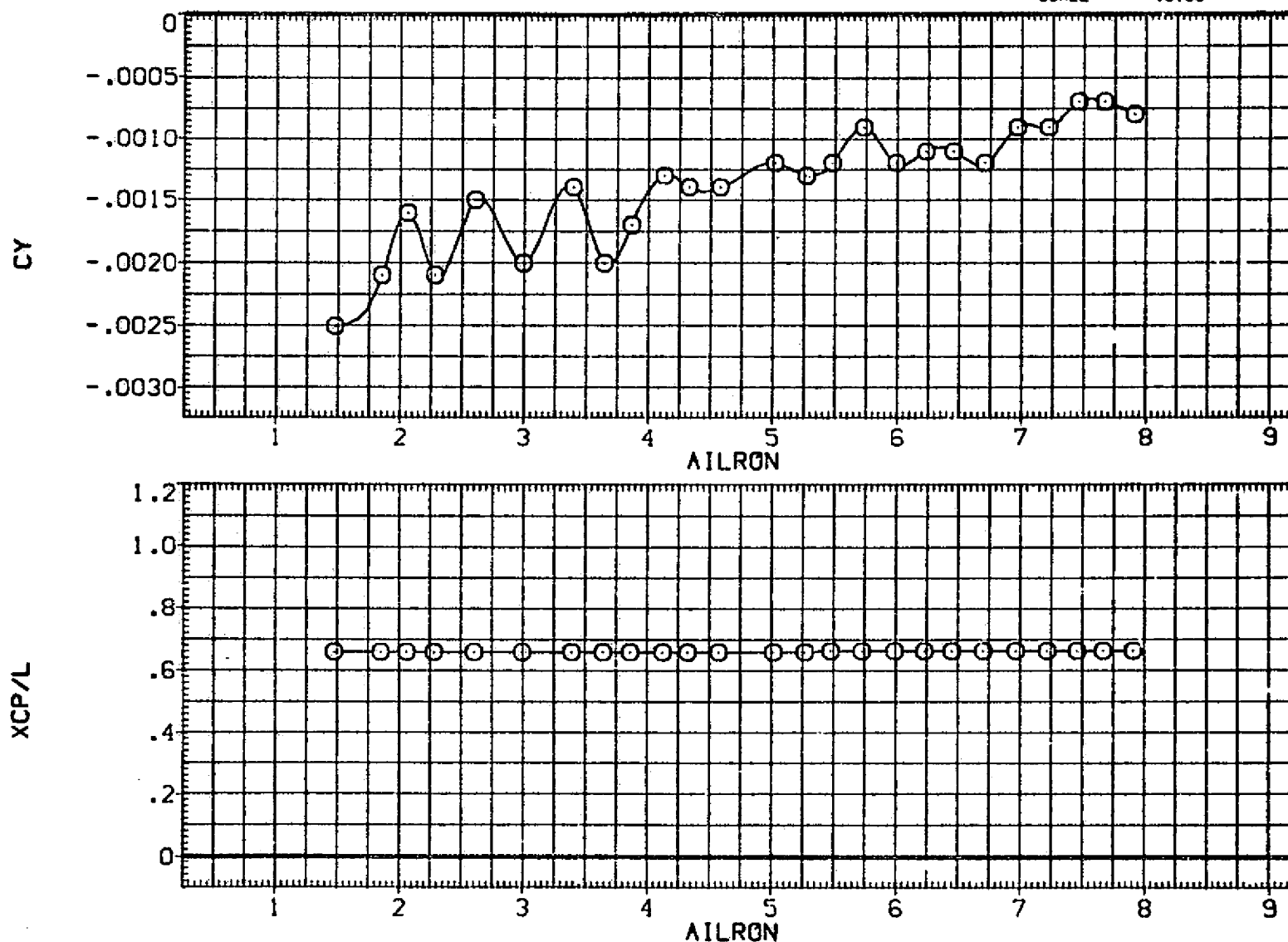


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
OMACH
4.591

PARAMETRIC VALUES			
ALPHA	20.000	ELEVON	.000
SPDBRK	55.000	RN/L	16.000
GRITNO	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

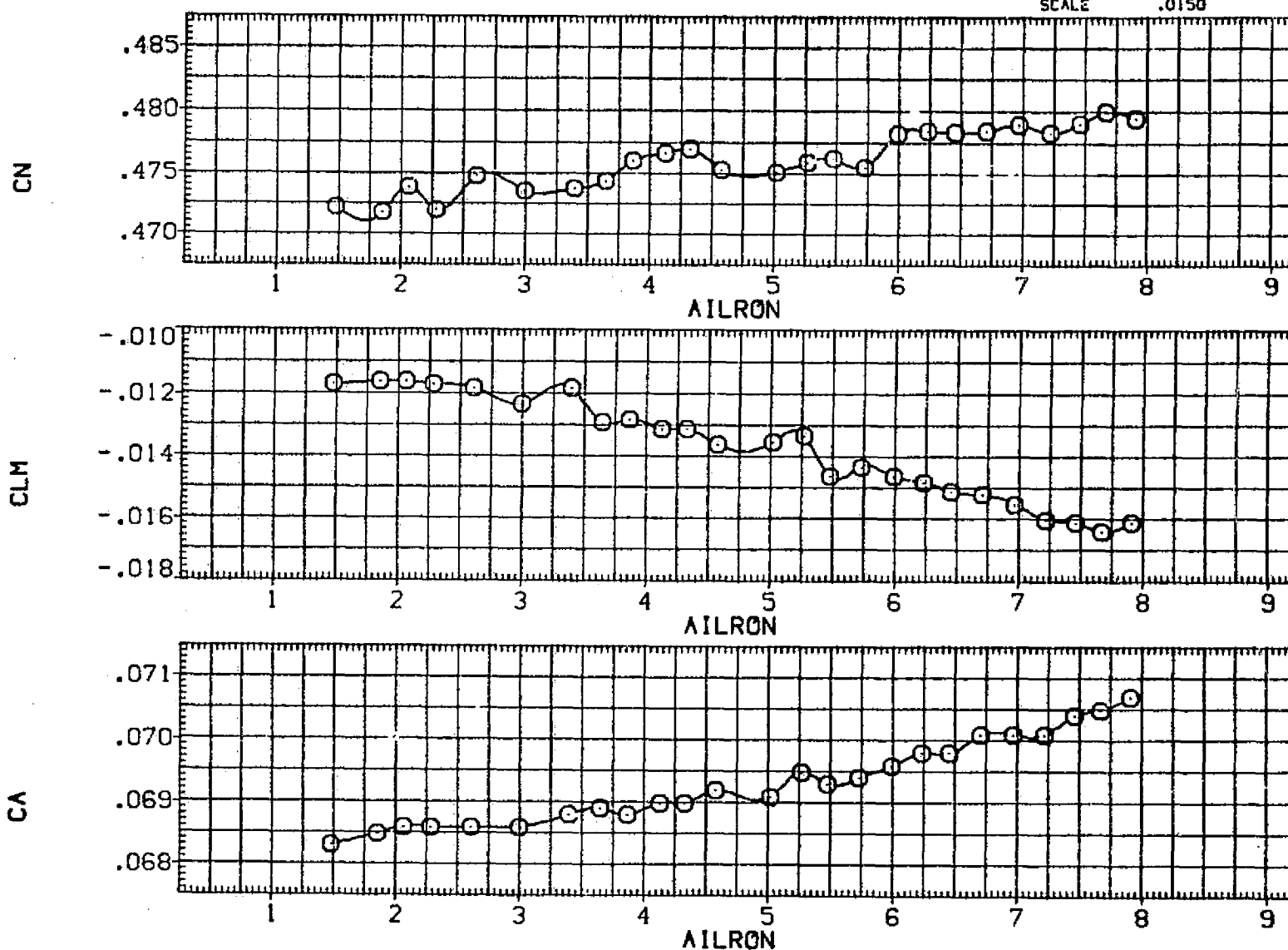


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LAG7 (LTV 552) ORBITER 48-0

(SFD123)

SYMBOL
○

MACH
4.591

PARAMETRIC VALUES			
ALPHA	20.000	ELEVON	.000
SPOBRK	55.000	RN/L	16.000
GRITNO	.000	RCSPDS	1.000
BETA	.000	BDPLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

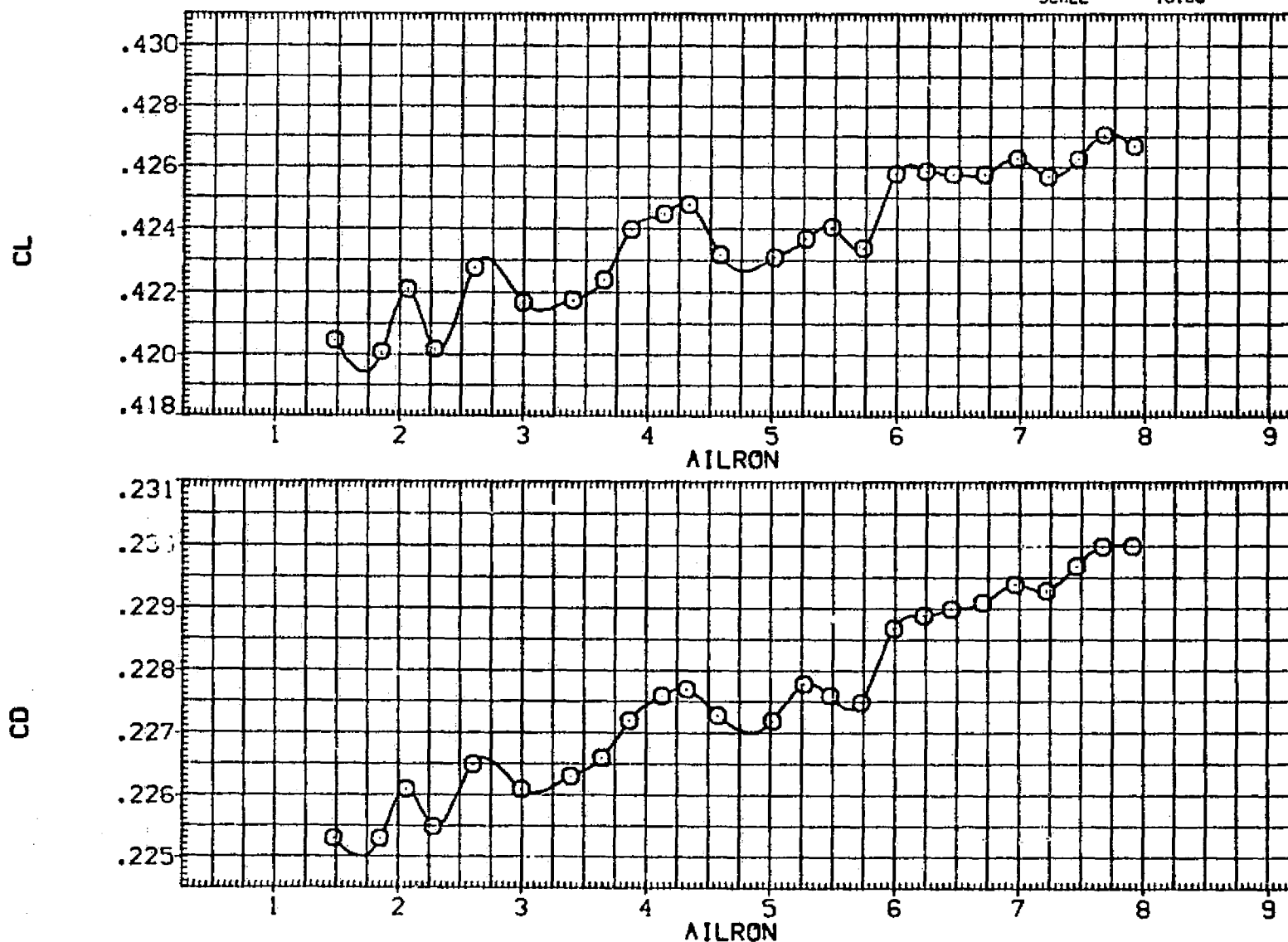


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	20.000	ELEVON	.000
		SPDRK	55.000	RN/L	16.000
		GRITNO	.000	RCSP05	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

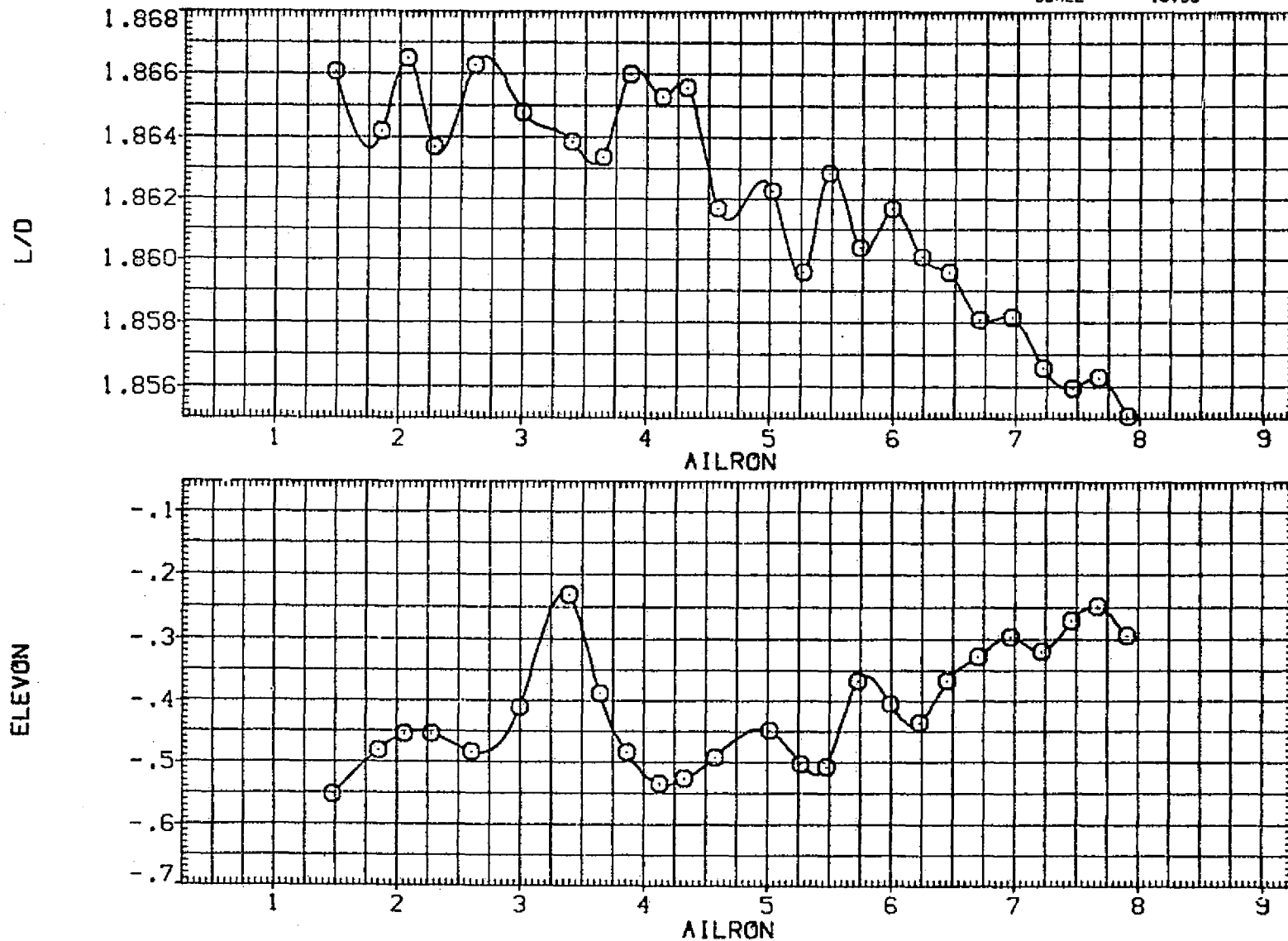


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD124)

SYMBOL
○MACH
4.591ALPHA
SPDRK
GRITNG
BETA
RUDDER

PARAMETRIC VALUES

20.000	ELEVON	-5.000
55.000	RN/L	16.000
.000	RCSPQS	1.000
.000	BDFLAP	.000
.000		

REFERENCE INFORMATION

SREF	2690.0000	90. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN.
YMRP	.0000	IN.
ZMRP	375.0000	IN.
SCALE	.0150	

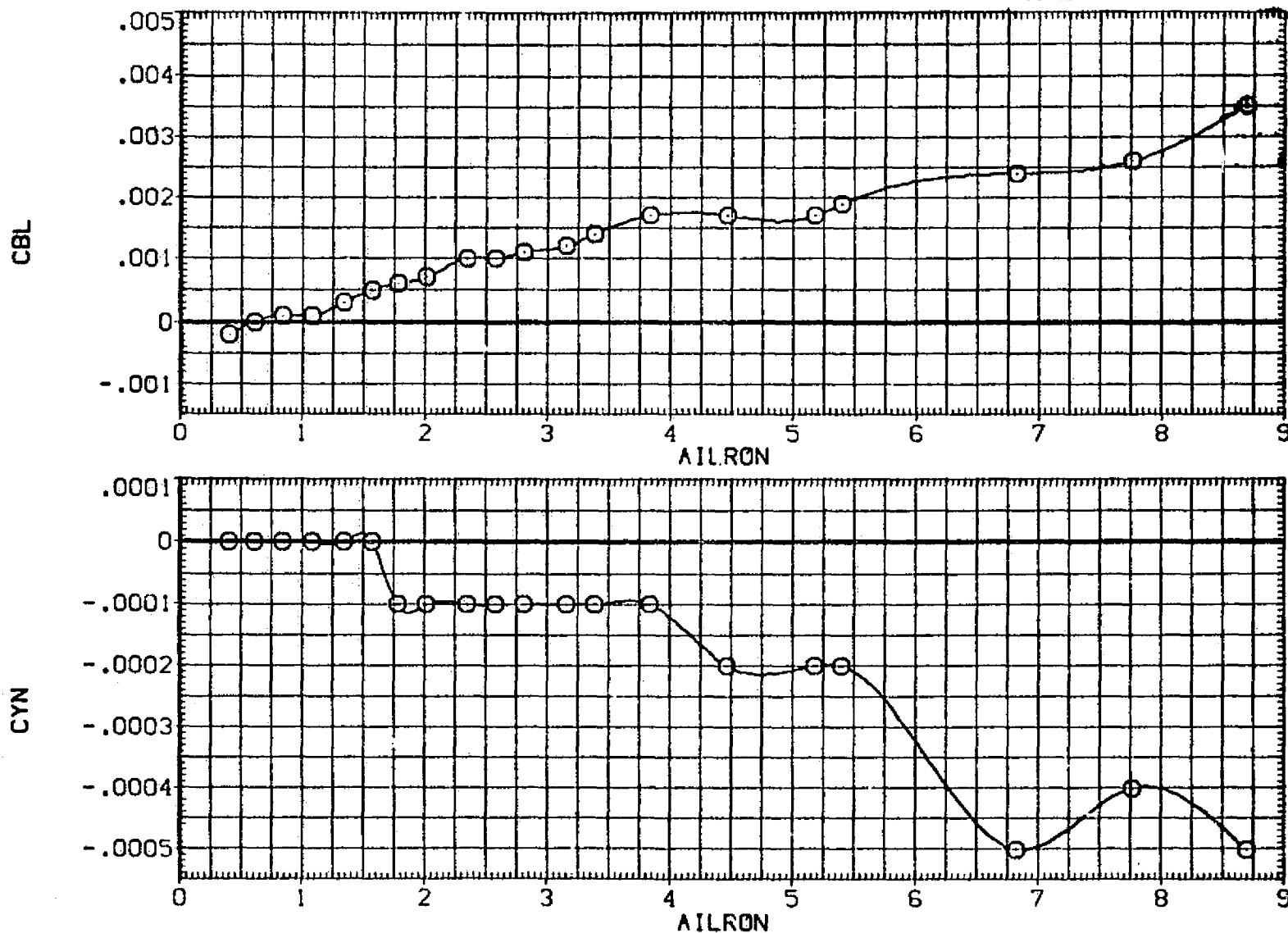


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(AFD124)

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	20.000	ELEVON	-5.000
		SPDBRK	55.000	RN/L	16.000
		GRITNO	.000	RCSPDS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SO. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

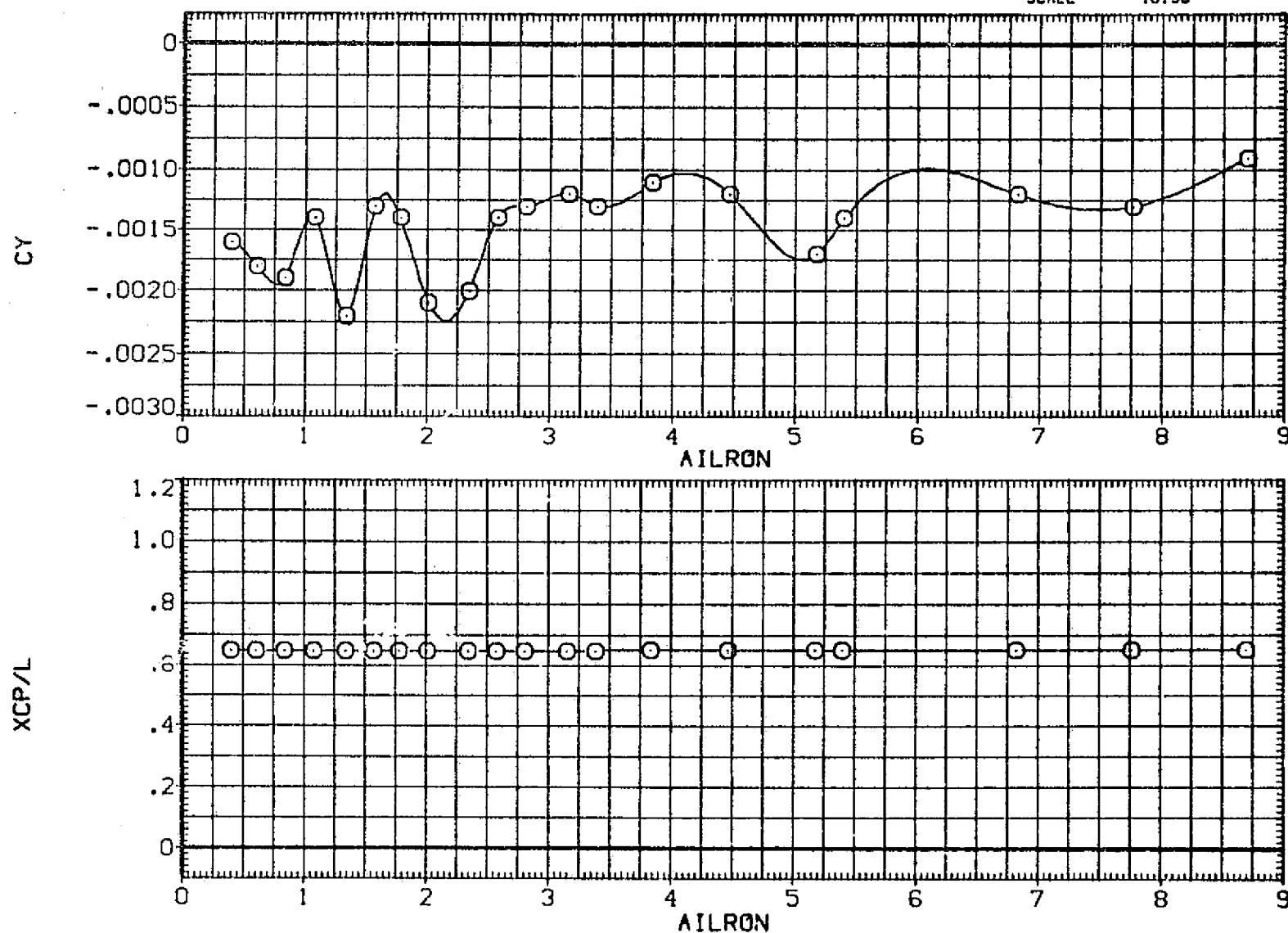


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (ITV 552) ORBITER 49-0

(AFD124)

SYMBOL
○

MACH
4.591

PARAMETRIC VALUES			
ALPHA	20.000	ELEVON	-5.000
SPDBRK	55.000	RN/L	16.000
GRITND	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

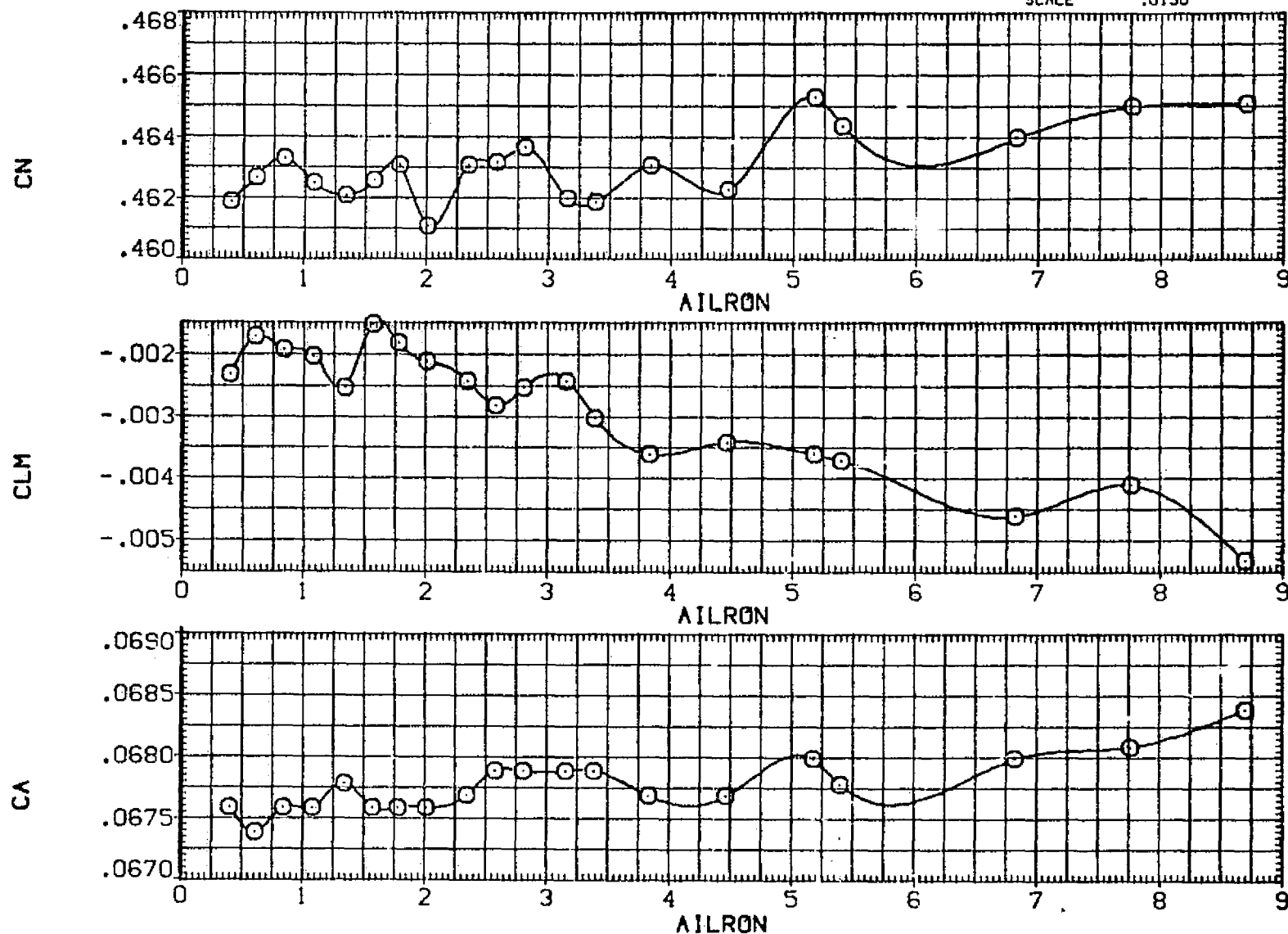


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL

○

MACH

4.591

PARAMETRIC VALUES

ALPHA	20.000	ELEVON	-5.000
SPDBRK	55.000	RN/L	16.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

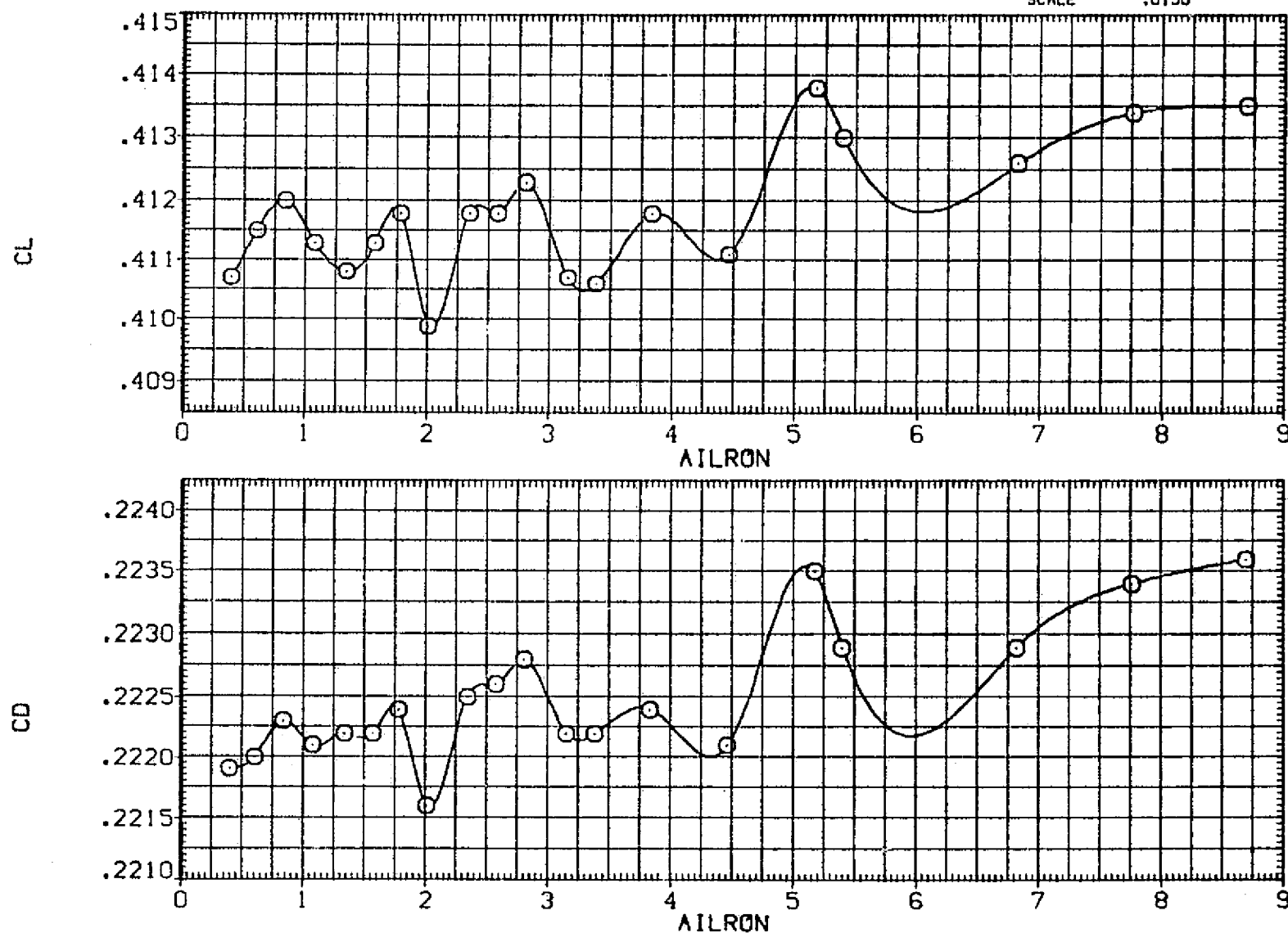


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LA67 (LTV 552) ORBITER 49-0

(SF0124)

SYMBOL

MACH

PARAMETRIC VALUES

REFERENCE INFORMATION

○

4.591

ALPHA

20.000

ELEVON

-5.000

SPDBRK

55.000

RN/L

16.000

GRITNO

.000

RCSPCS

1.000

BETA

.000

BOFLAP

.000

RUDDER

.000

SREF 2690.0000

SQ.FT.

LREF 474.8000

INCHES

BREF 936.7000

INCHES

XMRP 1076.7000

IN. X0

YMRP .0000

IN. Y0

ZMRP 375.0000

IN. Z0

SCALE .0150

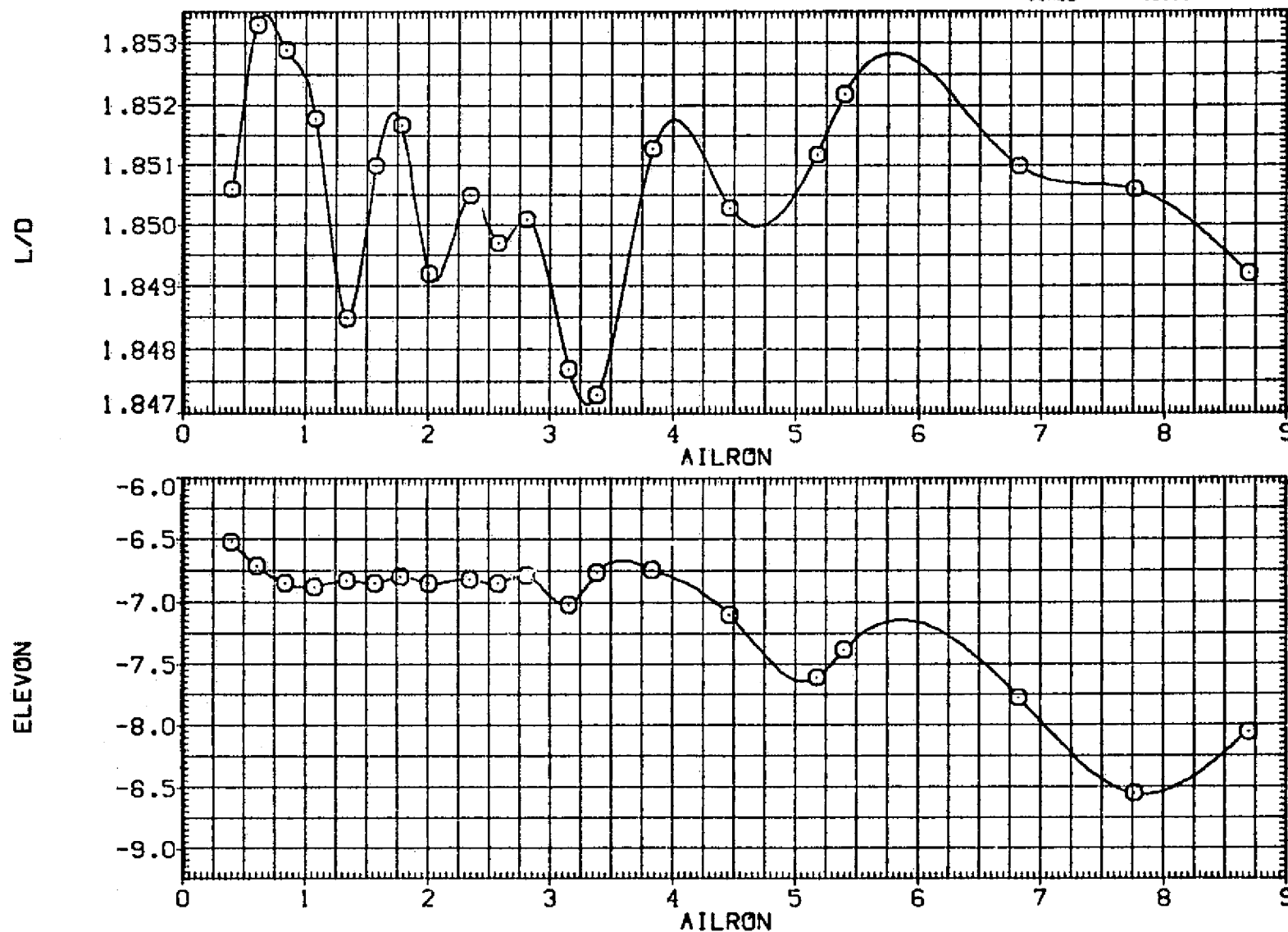


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
4.591

PARAMETRIC VALUES

ALPHA	20.000	ELEVON	-10.000
SPOBRK	55.000	RN/L	16.000
GRITND	.000	RCSPQS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

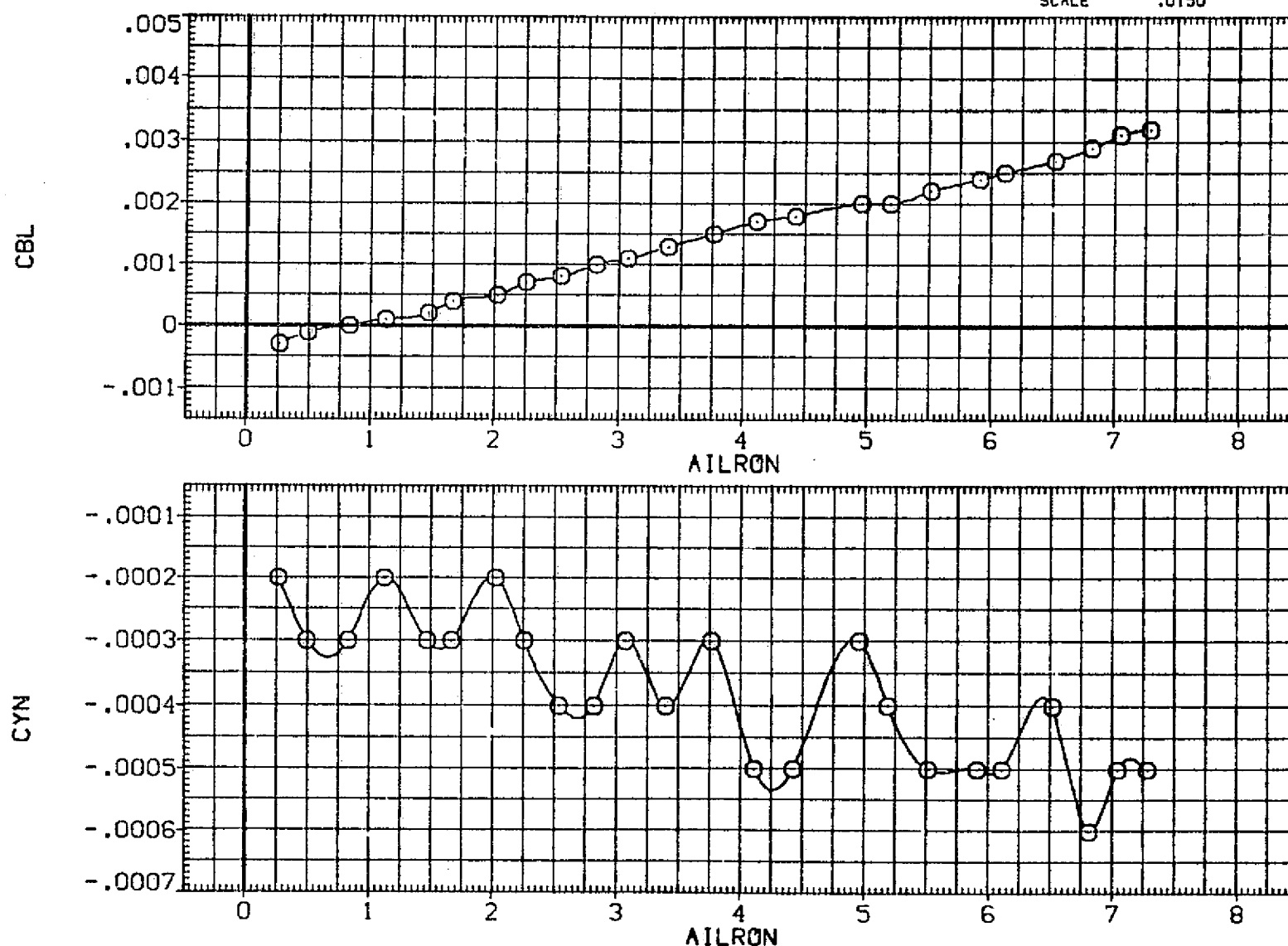


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LAG7 (LTV 552) ORBITER 48-0

(AFD125)

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	20.000	ELEVON	-10.000
		SPDBRK	55.000	RN/L	16.000
		GRITNO	.000	RCSPDS	1.000
		BETA	.000	BDFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	SO, FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

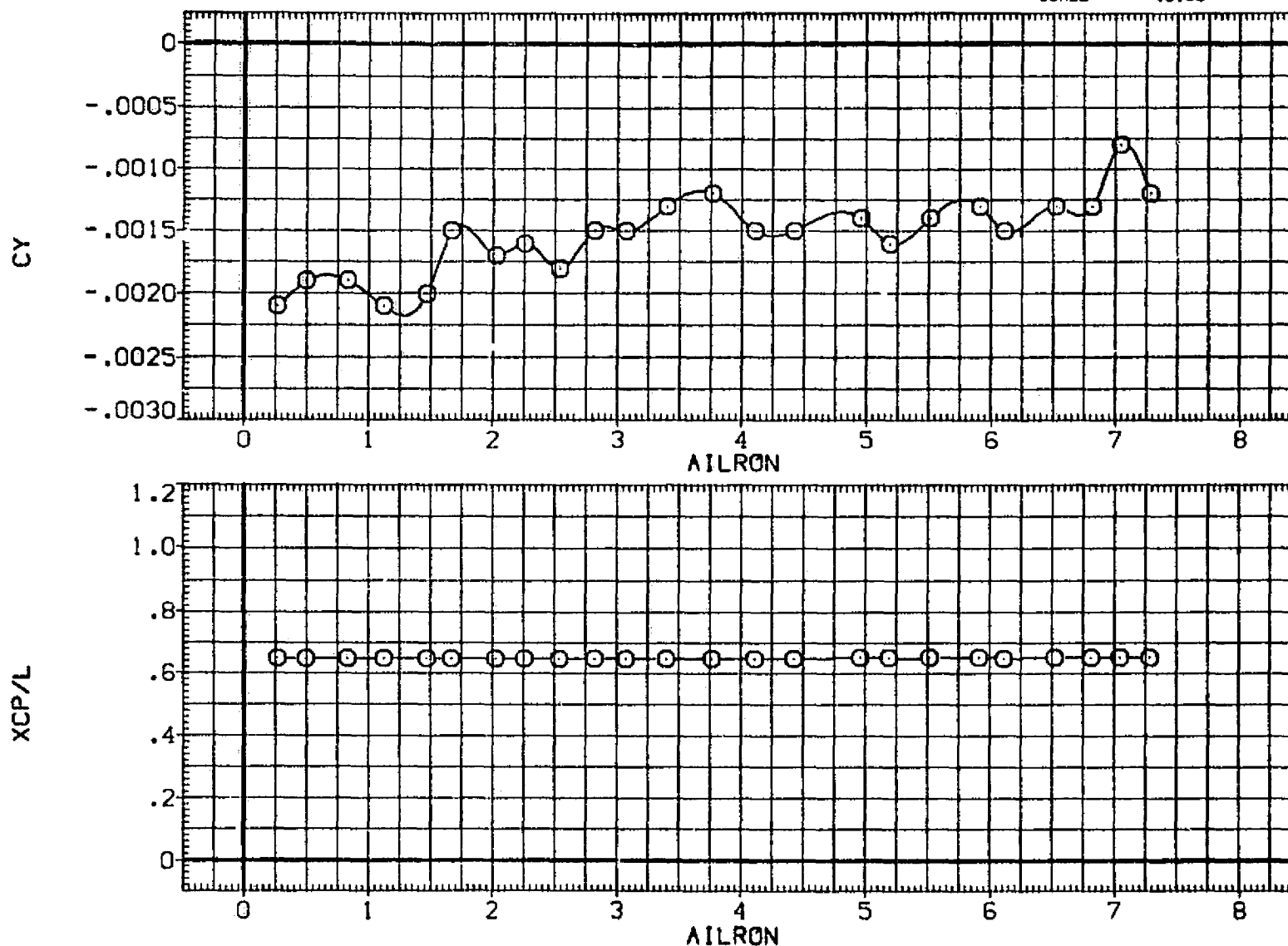


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○MACH
4.591

PARAMETRIC VALUES

ALPHA	20.000	ELEVON	-10.000
SPDBRK	55.000	RN/L	16.000
GRITNO	.000	RCSP05	1.000
BETA	.000	BDFLA1	.000
RUDOER	.000		

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

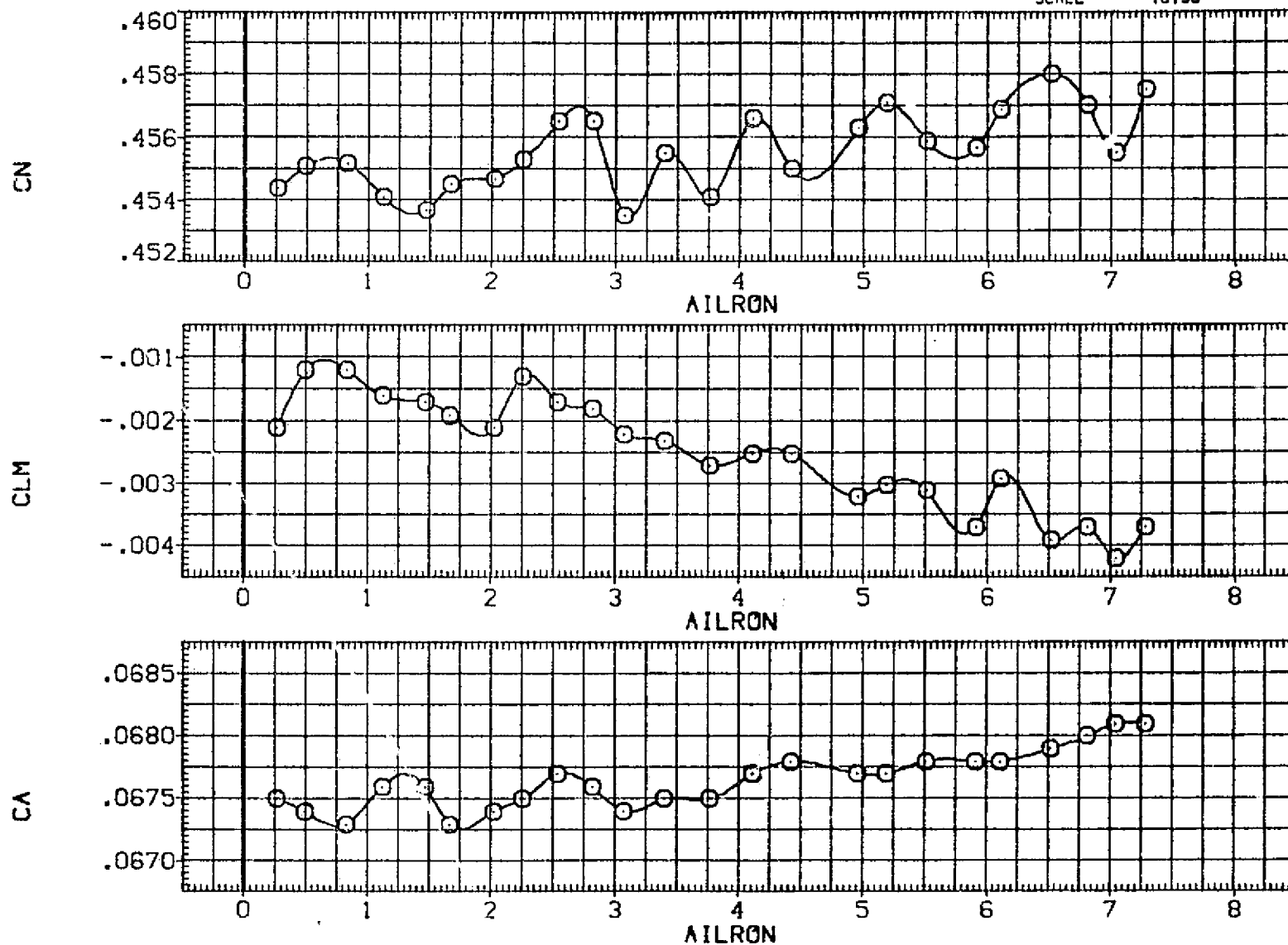


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

LAB7 (LIV 552) ORBITER 49-0

(SFD125)

SYMBOL	MACH	PARAMETRIC VALUES			
○	4.591	ALPHA	20.000	ELEVON	-10.000
		SPDBRK	55.000	RN/L	16.000
		GRITNO	.000	RCSPDS	1.000
		BETA	.000	BOFLAP	.000
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	379.0000	IN. Z0
SCALE	.0150	

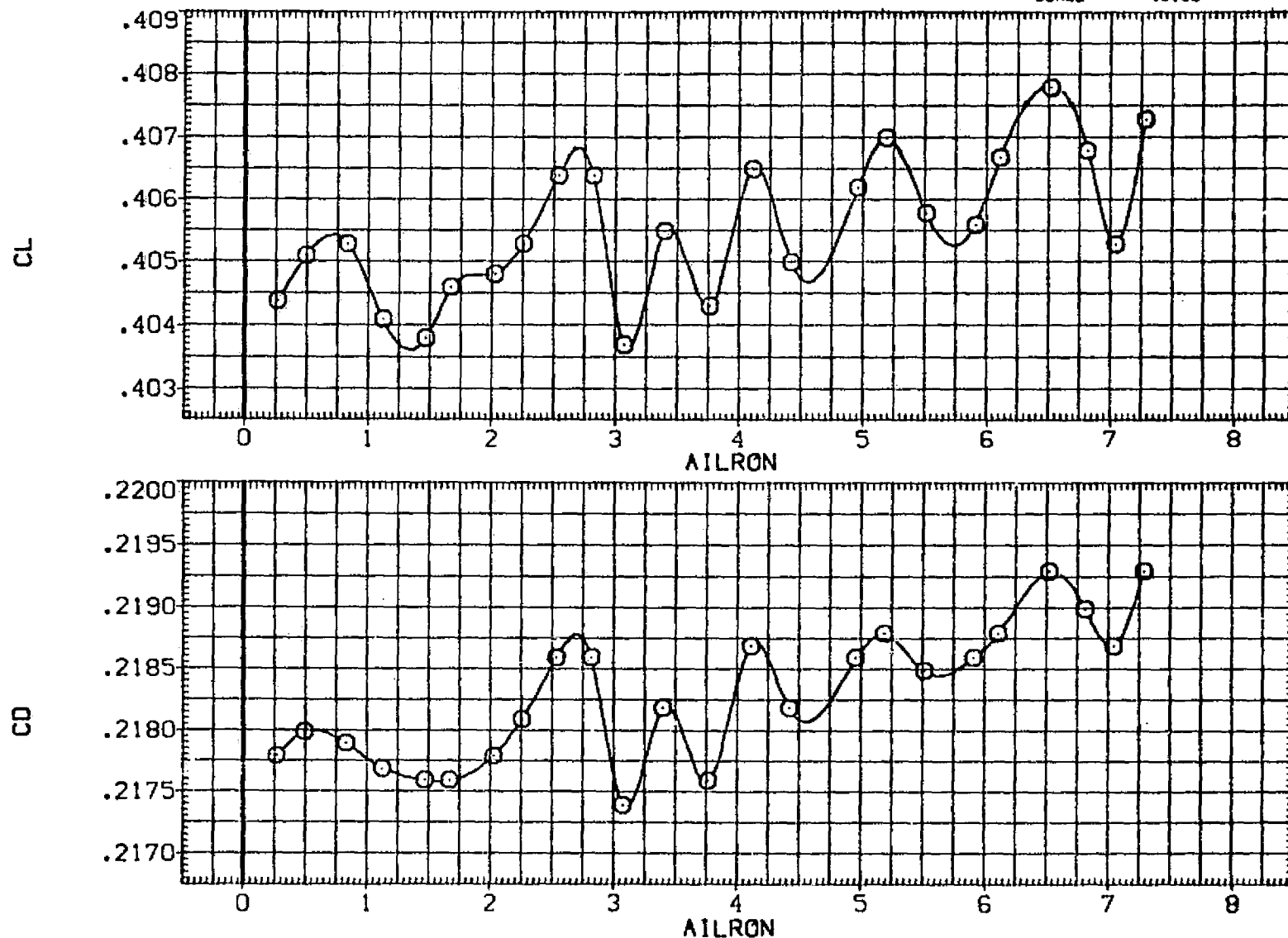


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

SYMBOL
○

MACH
4.591

PARAMETRIC VALUES			
ALPHA	20.000	ELEVON	-10.000
SPDBRK	55.000	RN/L	16.000
GRITNO	.000	RCSPCS	1.000
BETA	.000	BDFLAP	.000
RUDDER	.000		

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.7000	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

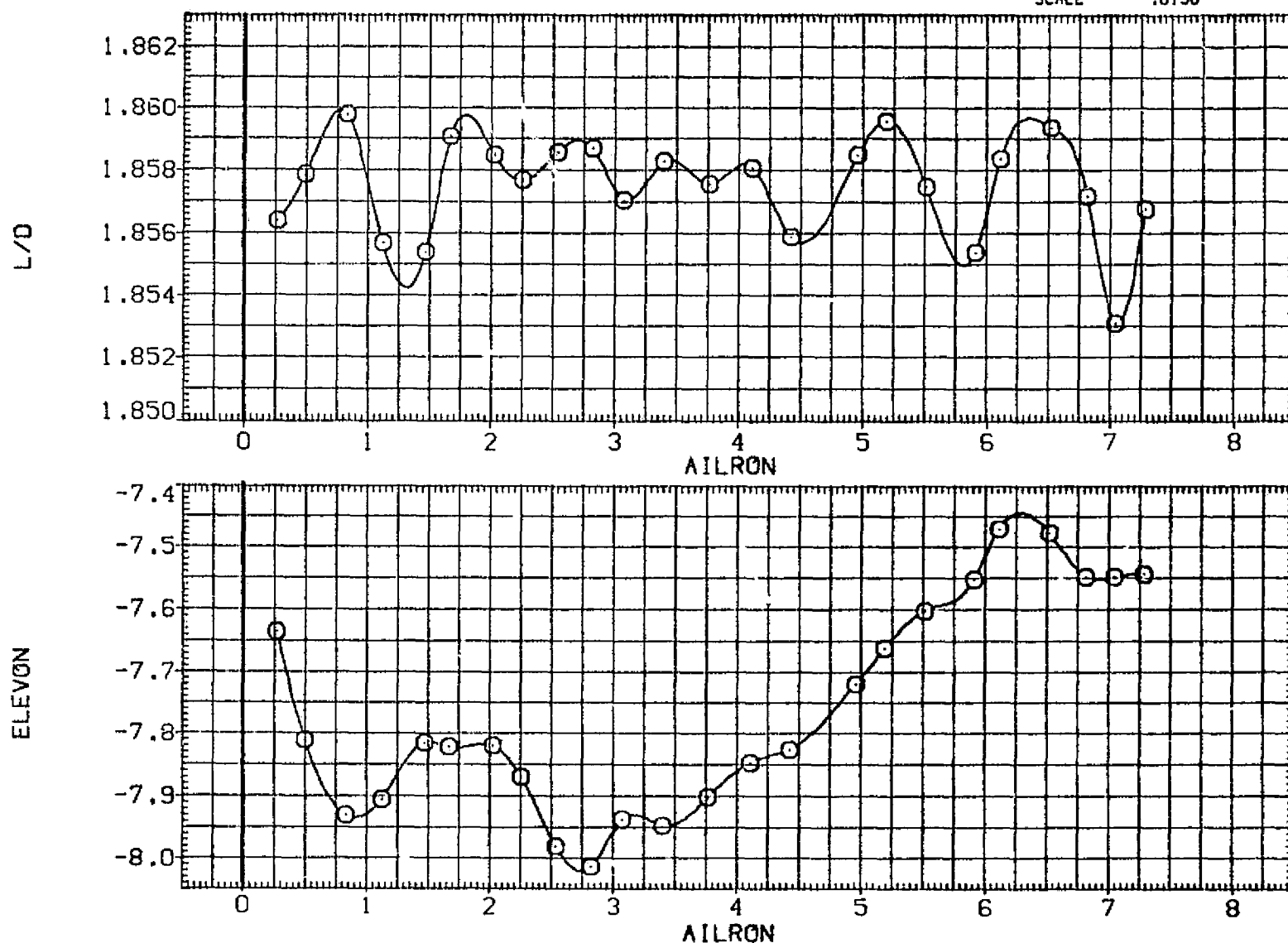


FIG. 17 AILERON EFFECTIVENESS FOR AILERON SWEEPS

APPENDIX
TABULATED SOURCE DATA

ALFSWP = 2 data are in appendix as separate data sets with fourth character of 5. These data sets are presented immediately behind corresponding ALFSWP = 1 data sets.

Plotted Data Available upon Request from DMS

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 1

LA67 (LTV 552) ORBITER 49-0

(RFD001)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 2/ 0 RN/L = 5.34

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.597	-3.740	-.21000	.02860	.05620	.02860	-.00070	.00070	.00200	.00000	.17020	.30170
.596	-2.850	-.17120	.02730	.05860	.03100	-.00180	.00030	.00150	.00000	.16240	.23350
.596	-2.040	-.13190	.02740	.06050	.03280	-.00110	.00070	.00170	.00000	.18590	.27900
.595	-1.290	-.09810	.02690	.06180	.03430	-.00060	.00060	.00160	.00000	.21730	.25620
.598	-.510	-.06230	.02740	.06200	.03450	-.00170	.00090	.00150	.00000	.18590	.27900
.599	.230	-.02810	.02750	.06210	.03520	-.00030	.00020	.00130	.00000	.24090	.27140
.599	1.000	.00790	.02830	.06180	.03470	-.00060	.00070	.00150	.00000	.23310	.26380
.601	1.780	.04270	.02560	.06070	.03380	-.00090	.00000	.00110	.00000	.18590	.21070
.601	2.530	.08040	.02540	.05940	.03260	-.00050	.00040	.00140	.00000	.20160	.21070
.601	3.300	.12150	.02550	.05760	.03130	-.00110	.00100	.00170	.00000	.24880	.25620
.603	4.080	.15520	.02520	.05470	.02820	-.00200	.00070	.00140	.00000	.17020	.25620
.602	4.840	.19320	.02320	.05140	.02590	-.00170	.00030	.00100	.00000	.23310	.19560
.601	5.600	.23080	.02190	.04780	.02250	-.00260	.00030	.00080	.00000	.25660	.19560
.600	6.370	.27060	.02190	.04380	.01880	-.00220	.00050	.00090	.00000	.17818	.24860
.601	7.140	.30270	.02010	.03930	.01370	-.00190	.00010	.00080	.00000	.20950	.18040
.600	7.900	.34500	.01840	.03470	.00910	-.00270	.00040	.00090	.00000	.26450	.20310
.597	8.660	.38550	.01940	.02990	.00440	-.00280	.00070	.00090	.00000	.25660	.21070
.597	9.430	.42450	.01980	.02470	.00000	-.00340	.00090	.00070	.00000	.24880	.22590
.597	10.200	.45390	.01960	.01920	-.000570	-.00320	.00030	.00040	.00000	.24880	.17280
.598	10.970	.49680	.01980	.01440	-.01100	-.00300	.00000	.00010	.00000	.27230	.15760
.597	11.730	.53950	.02120	.00940	-.01650	-.00300	.00020	.00000	.00000	.24090	.15760
.597	12.500	.58910	.01990	.00490	-.02100	-.00230	.00010	-.00030	.00000	.27230	.18800
.598	13.250	.62790	.01790	.00530	-.02130	-.00510	.00190	.00080	.00000	.24880	.15010
.597	14.020	.66380	.01650	.00710	-.02040	-.00640	.00230	.00220	.00000	.24090	.11210
.598	14.780	.70650	.01460	.00800	-.01930	-.00550	.00110	.00180	.00000	.23310	.05910
.598	15.520	.74720	.01270	.01000	-.01860	-.00420	.00050	.00170	.00000	.24090	-.04700
.596	16.260	.79520	.00980	.01250	-.01720	-.00240	.00000	.00140	-.01000	.17020	-.04700
.597	17.020	.82980	.00760	.01460	-.01580	-.00130	.00000	.00020	-.01000	.16240	-.10770
.596	17.750	.86600	.00680	.01740	-.01500	-.00070	-.00040	-.00120	-.01000	.26450	-.18350
.600	18.500	.90870	.00290	.01770	-.01510	-.00010	-.00010	.00000	-.01000	.28800	-.20630
.596	19.210	.96100	-.00180	.01700	-.01670	-.00080	.00050	.00100	-.01000	.20950	-.24420
.595	19.920	1.01160	-.00730	.01620	-.01970	-.00070	.00040	.00100	-.01000	.27230	-.27450
.597	20.560	1.05030	-.00910	.01520	-.02100	-.00120	.00080	.00010	-.01000	.20160	-.26690

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD001)

PARAMETRIC DATA

ELEVON =	.000	A1LRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 8/ 0 RN/L = 5.27

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CB	BETA	ELVN-L	ELVN-R
.795	-3.810	-.24380	.03970	.06170	.02930	-.00210	.00040	.00160	.00000	.20160	.30930
.797	-2.910	-.19670	.03840	.06350	.03150	-.00190	.00070	.00160	.00000	.23310	.25620
.800	-2.090	-.15430	.03670	.06550	.03320	-.00210	.00050	.00170	.00000	.20950	.31690
.803	-1.300	-.11260	.03540	.06620	.03420	-.00260	.00050	.00150	.00000	.18590	.30930
.801	-.540	-.07390	.03430	.06680	.03500	-.00420	.00060	.00130	.00000	.23310	.27900
.801	.230	-.03400	.03290	.06690	.03550	-.00430	.00070	.00120	.00000	.19380	.25620
.801	1.020	.00730	.03160	.06630	.03500	-.00350	.00070	.00130	.00000	.23310	.27140
.800	1.750	.04660	.03040	.06590	.03450	-.00280	.00040	.00140	.00000	.20950	.31690
.800	2.570	.08980	.02870	.06410	.03270	-.00350	.00070	.00100	.00000	.24090	.24860
.799	3.330	.12980	.02690	.06230	.03170	-.00200	.00060	.00120	.00000	.24090	.28660
.800	4.130	.17260	.02590	.05970	.02880	-.00260	.00060	.00110	.00000	.22520	.31690
.800	4.900	.21730	.02400	.05760	.02680	-.00400	.00050	.00090	.00000	.24090	.25620
.800	5.680	.26120	.02180	.05550	.02490	-.00350	.00020	.00100	.00000	.19380	.27900
.801	6.470	.30600	.01950	.05320	.02270	-.00490	.00030	.00030	.00000	.19380	.24860
.799	7.240	.34710	.01790	.05170	.02100	-.00470	.00010	.00020	.00000	.23310	.23350
.798	8.010	.38300	.01640	.05110	.02060	-.00290	.00020	.00050	.00000	.30370	.28660
.801	8.780	.42250	.01730	.05060	.01980	-.00340	.00000	-.00020	.00000	.36660	.24860
.801	9.570	.45610	.01700	.04950	.01880	-.00250	.00010	-.00050	.00000	.35870	.27900
.797	10.330	.49310	.01710	.04840	.01710	-.00240	.00020	-.00020	.00000	.32730	.26380
.798	11.120	.52920	.01840	.04890	.01700	-.00320	.00030	.00020	.00000	.32730	.24110
.798	11.890	.56800	.01880	.04970	.01710	-.00370	.00020	.00110	.00000	.32730	.18040
.795	12.640	.60810	.01690	.05000	.01680	-.00490	.00030	.00170	.00000	.31940	.16520
.796	13.410	.64850	.01340	.05170	.01740	-.00370	.00030	.00090	.00000	.32730	.17280
.796	14.180	.69230	.00710	.05390	.01850	-.00200	.00020	.00020	.00000	.34300	.17280
.796	14.950	.74590	-.00070	.05650	.01950	-.00250	.00020	.00040	.00000	.23310	.15010
.796	15.700	.79000	-.00630	.05750	.01930	-.00140	.00030	.00050	.00000	.21730	.11210
.794	16.470	.83530	-.00800	.05780	.01830	-.00210	.00030	.00030	.00000	.02890	.07420
.790	17.210	.87400	-.00790	.05780	.01680	-.00270	.00010	.00010	.00000	-.04950	.07420
.792	17.980	.91020	-.00730	.05870	.01640	-.00390	-.00010	.00130	.00000	-.09670	.05910
.793	18.700	.94600	-.00720	.05940	.01560	-.00530	.00000	.00260	.00000	-.23800	-.00150
.792	19.430	.97750	-.00600	.05920	.01310	-.00450	-.00040	.00340	.00000	-.28510	.02110
.793	20.160	1.00470	-.00240	.05910	.01150	-.00480	-.00060	.00310	.00000	-.33230	-.01670
.795	20.770	1.02530	.00160	.05990	.01040	-.00510	-.00060	.00300	.00000	-.32440	-.00910

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD501)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1002/ 0 RN/L = 5.32

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.591	-3.980	-.22260	.02780	.05580	.02810	-.00150	.00090	.00180	.00000	.35090	.06660
.593	-3.590	-.20340	.02680	.05600	.02850	-.00150	.00030	.00150	.00000	.34300	.11970
.590	-2.830	-.15770	.02680	.05870	.03180	-.00200	.00080	.00170	.00000	.28020	.08180
.591	-1.820	-.12320	.02610	.06040	.03250	-.00120	.00030	.00150	.00000	.32730	.06660
.589	-.760	-.07630	.02610	.06190	.03480	-.00050	.00070	.00160	.00000	.27230	.05910
.591	.340	-.02210	.02720	.06140	.03480	-.00060	.00080	.00130	.00000	.25660	.06660
.593	1.440	.02960	.02610	.06000	.03340	-.00130	.00040	.00120	.00000	.32730	.06660
.592	2.540	.08470	.02470	.05850	.03290	-.00140	.00090	.00130	.00000	.29590	.11970
.594	3.680	.13900	.02400	.05530	.02920	-.00150	.00100	.00140	.00000	.25660	.10460
.594	4.800	.19390	.02300	.05100	.02620	-.00140	.00090	.00140	.00000	.29590	.08940
.595	5.940	.24850	.02130	.04560	.02000	-.00140	.00060	.00120	.00000	.31160	.02870
.594	7.080	.30560	.02010	.03920	.01400	-.00210	.00060	.00090	.00000	.23310	.02110
.596	8.250	.36510	.01920	.03190	.00700	-.00300	.00080	.00080	.00000	.18590	.02110
.598	9.410	.41810	.01920	.02440	-.00140	-.00300	.00060	.00040	.00000	.24880	-.00150
.600	10.600	.48080	.02110	.01610	-.00850	-.00330	.00060	.00010	.00000	.24090	-.00150
.600	11.780	.54860	.01990	.00950	-.01560	-.00340	.00060	.00000	.00000	.19380	-.00910
.604	12.980	.60910	.01840	.00590	-.02000	-.00400	.00080	-.00010	.00000	.27230	-.06980
.602	14.170	.67970	.01610	.00840	-.01840	-.00500	.00210	.00180	.00000	.24090	-.10770
.603	15.380	.74000	.01220	.01040	-.01810	-.00220	.00030	.00130	-.01000	.20160	-.16840
.602	16.570	.80470	.00820	.01380	-.01700	.00030	-.00040	.00060	-.01000	.24090	-.24420
.602	17.760	.86770	.00460	.01690	-.01550	.00060	-.00040	-.00060	-.01000	.20160	-.21390
.598	18.890	.94410	-.00180	.01850	-.01620	.00050	-.00010	.00000	-.01000	.18590	-.24420
.598	19.920	1.01330	-.00720	.01790	-.01780	.00010	.00040	.00000	-.01000	.16240	-.28970
.598	20.590	1.05590	-.00900	.01680	-.01960	-.00040	.00060	.00040	-.01000	.16240	-.24420
.597	20.800	1.06810	-.01080	.01520	-.02220	-.00020	.00060	.00010	-.01000	.20950	-.25940

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD501)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPQS =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1008/ 0 RN/L = 5.25

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.789	-4.110	-.26320	.03970	.06100	.02880	-.00270	.00050	.00130	.00000	.10740	.23350
.787	-3.760	-.24280	.03880	.06160	.02930	-.00240	.00050	.00120	.00000	.15450	.23350
.786	-3.040	-.20150	.03740	.06310	.03100	-.00080	.00050	.00130	.00000	.11530	.24110
.786	-2.020	-.14760	.03480	.06490	.03270	-.00310	.00060	.00130	.00000	.03670	.25620
.788	-.940	-.09080	.03400	.06640	.03440	-.00220	.00060	.00100	.00000	.06030	.26660
.785	.170	-.03440	.03150	.06690	.03460	-.00450	.00050	.00100	.00000	.05240	.26380
.784	1.290	.02260	.03020	.06600	.03400	-.00330	.00040	.00090	.00000	.07600	.29420
.787	2.410	.08140	.02840	.06390	.03240	-.00290	.00040	.00070	.00000	.08390	.22590
.790	3.550	.14310	.02620	.06100	.02990	-.00210	.00040	.00060	.00000	.06030	.27900
.791	4.700	.20440	.02470	.05760	.02680	-.00230	.00040	.00050	.00000	-.00240	.23350
.794	5.840	.26840	.02190	.05400	.02360	-.00280	.00040	.00030	.00000	.02890	.27140
.793	7.010	.33330	.01840	.05130	.02060	-.00440	.00010	.00000	.00000	-.07310	.19560
.796	8.170	.39080	.01640	.04980	.01930	-.00360	.00010	-.00040	.00000	-.07310	.18800
.797	9.370	.44930	.01740	.04920	.01820	-.00200	.00010	-.00070	.00000	-.15950	.21830
.799	10.550	.50470	.01870	.04950	.01780	-.00200	.00010	-.00060	.00000	-.16730	.19560
.801	11.730	.56200	.01830	.05050	.01760	-.00290	.00010	.00020	.00000	-.23800	.17280
.803	12.930	.62470	.01510	.05250	.01810	-.00260	.00010	.00090	.00000	-.26940	.13490
.804	14.160	.69290	.00660	.05590	.02000	-.00110	.00000	-.00020	.00000	-.36370	.08940
.804	15.350	.76360	-.00250	.05850	.02040	-.00220	.00000	-.00010	.00000	-.32440	.05150
.803	16.560	.83160	-.00570	.05970	.01930	-.00050	.00010	.00000	-.01000	-.26160	.02870
.800	17.760	.89410	-.00620	.05990	.01700	-.00140	.00000	.00100	.00000	-.28510	-.01670
.798	18.930	.94920	-.00460	.05990	.01440	-.00250	-.00030	.00280	.00000	-.36370	-.04700
.797	19.990	.99250	-.00220	.06040	.01250	-.00430	-.00040	.00290	.00000	-.34010	-.01670
.795	20.710	1.01980	.00190	.06060	.01090	-.00440	-.00070	.00250	.00000	-.30870	-.03190
.795	21.010	1.03290	.00310	.05990	.00930	-.00400	-.00090	.00260	.00000	-.31650	-.06980

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 5

LA67 (LTV 552) ORBITER 49-0

(RFD002).

PARAMETRIC DATA

ELEVON *	.000	AILRON *	.000
SPOBRK *	25.000	RN/L *	6.000
GRITNO *	120.000	RCSPDS *	.000
BETA *	.000	ALFSWP *	1.000
SDFLAP *	.000	RUDDER *	.000

RUN NO. 20/ 0 RN/L = 6.22

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.894	.000	-.02740	.02840	.07880	.04480	-.00120	-.00010	-.00010	.00000	-.09670	.86290
.896	.400	-.00560	.02720	.07870	.04540	-.00140	.00000	-.00020	.00000	-.12810	.84020
.898	1.050	.03230	.02310	.07830	.04490	-.00020	-.00010	-.00010	.00000	-.16730	.87810
.898	1.680	.06720	.02080	.07830	.04480	-.00050	-.00020	-.00030	.00000	-.11240	.77950
.897	2.240	.10310	.01770	.07850	.04600	-.00090	-.00030	.00000	.00000	-.15160	.82500
.897	2.800	.13280	.01750	.07740	.04470	-.00130	-.00030	.00000	.00000	-.11240	.77950
.895	3.320	.16190	.01470	.07690	.04450	-.00090	-.00050	-.00010	.00000	-.12020	.87050
.895	3.880	.18850	.01570	.07620	.04410	-.00160	-.00050	-.00030	.00000	-.06520	.78710
.893	4.430	.21860	.01580	.07580	.04390	-.00210	-.00050	-.00060	.00000	-.10450	.90090
.892	4.970	.24440	.01630	.07540	.04410	-.00220	-.00050	-.00050	.00000	-.09670	.85540
.895	5.530	.26560	.01620	.07450	.04290	-.00120	-.00060	-.00060	.00000	-.02600	.88570
.896	6.080	.29460	.01750	.07410	.04280	-.00180	-.00070	-.00090	.00000	-.01030	.96150
.895	6.630	.32060	.01620	.07450	.04300	-.00190	-.00090	-.00110	.00000	-.01030	.94640
.896	7.170	.34460	.01750	.07340	.04230	-.00260	-.00070	-.00170	.00000	-.02600	.91600
.893	7.700	.37180	.01580	.07300	.04220	-.00180	-.00090	-.00160	.00000	-.04950	.93120
.896	8.260	.39670	.01650	.07150	.04110	-.00140	-.00060	-.00160	.00000	-.04170	.93880
.894	8.810	.41940	.01640	.07160	.04090	-.00070	-.00070	-.00210	.00000	.02890	.96150
.894	9.360	.44380	.01590	.07090	.04040	-.00020	-.00070	-.00200	.00000	-.02600	.93880
.891	9.880	.46980	.01570	.07070	.03930	-.00070	-.00050	-.00150	.00000	.02100	.90840
.893	10.430	.49350	.01490	.07030	.03880	-.00100	-.00040	-.00080	.00000	.03670	.87050
.894	10.990	.51800	.01320	.07040	.03880	-.00070	.00000	-.00050	.00000	.03670	.86290
.895	11.520	.54970	.01170	.07090	.03840	-.00100	-.00030	-.00060	.00000	-.00240	.78710
.892	12.050	.57610	.01060	.07110	.03820	-.00080	-.00040	-.00100	.00000	-.01810	.80230
.891	12.590	.60060	.00890	.07130	.03790	-.00040	-.00060	-.00120	.00000	-.04950	.74160
.891	13.130	.62890	.00560	.07230	.03820	-.00190	-.00020	-.00110	.00000	-.02600	.60510
.891	13.680	.65650	.00160	.07350	.03850	-.00180	-.00020	-.00060	.00000	-.00240	.50650
.890	14.210	.68400	-.00080	.07400	.03770	-.00160	-.00050	-.00070	.00000	-.04950	.40030
.890	14.740	.70780	-.00320	.07420	.03740	-.00080	-.00050	-.00060	.00000	-.09670	.31690
.890	15.280	.73890	-.00270	.07520	.03770	-.00080	-.00060	-.00040	.00000	-.12020	.23350
.892	15.830	.76390	-.00450	.07520	.03730	.00020	-.00040	-.00030	.00000	-.15950	.16520
.893	16.380	.79490	-.00430	.07620	.03740	-.00010	-.00040	-.00020	.00000	-.20660	.02970
.895	16.890	.81850	-.00540	.07590	.03610	-.00030	-.00040	-.00020	.00000	-.39510	-.05460
.896	17.450	.84680	-.00450	.07600	.03550	-.00100	-.00070	.00010	.00000	-.56000	-.14560
.894	17.960	.86690	-.00460	.07550	.03360	-.00100	-.00040	.00010	.00000	-.55210	-.14560
.892	18.480	.89380	-.00410	.07540	.03190	-.00100	-.00010	.00030	.00000	-.62280	-.21390
.891	19.020	.91920	-.00220	.07630	.03090	-.00230	-.00050	.00020	.00000	-.67780	-.31250
.892	19.520	.93720	-.00070	.07570	.02870	-.00180	-.00060	.00050	.00000	-.74850	-.32000
.891	20.040	.95560	.00180	.67640	.02740	-.00280	-.00040	.00040	.00000	-.77200	-.35800
.888	20.510	.97570	.00480	.07710	.02480	-.00210	-.00040	.00020	.00000	-.74850	-.36550
.892	20.960	.98640	.00910	.07680	.02370	-.00170	-.00040	.00000	.00000	-.78770	-.45650
.889	21.210	1.00150	.01180	.07800	.02320	-.00140	-.00090	-.00080	.00000	-.78770	-.44900

LA67 (LTV 552) ORBITER 49-0

(RFD002)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 21/ 0 RN/L = 6.23

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.192	.000	-.02040	.03610	.14780	.09300	-.00540	.00150	-.00040	.00000	-.00240	.79470
1.188	.360	-.00180	.03140	.14800	.09290	-.00600	.00150	-.00030	.01000	.05240	.81740
1.187	1.020	.03910	.02260	.14800	.09290	-.00630	.00140	-.00040	.01000	.03670	.78710
1.190	1.720	.08460	.01460	.14760	.09350	-.00520	.00140	-.00070	.00000	-.01030	.78710
1.185	2.360	.12370	.00550	.14750	.09360	-.00600	.00130	-.00070	.01000	.02100	.77190
1.188	2.930	.15820	.00000	.14700	.09370	-.00500	.00130	-.00090	.00000	.06030	.75680
1.186	3.520	.19270	-.00710	.14690	.09390	-.00520	.00120	-.00090	.00000	.07600	.71130
1.188	4.100	.22820	-.01250	.14630	.09380	-.00460	.00120	-.00100	.00000	.05240	.71880
1.188	4.700	.26400	-.01770	.14600	.09360	-.00490	.00130	-.00100	.00000	.06030	.69610
1.186	5.310	.29600	-.02320	.14560	.09310	-.00610	.00130	-.00090	.00000	.03670	.73400
1.188	5.900	.33240	-.02820	.14480	.09240	-.00580	.00130	-.00090	.00000	.05240	.67330
1.186	6.500	.36500	-.03200	.14430	.09140	-.00600	.00130	-.00120	.00000	.02890	.65820
1.186	7.080	.39950	-.03540	.14340	.08990	-.00610	.00140	-.00150	.00000	-.01810	.58230
1.186	7.680	.43190	-.03980	.14240	.08860	-.00530	.00130	-.00200	.00000	.06910	.55200
1.188	8.280	.46540	-.04260	.14120	.08720	-.00540	.00130	-.00220	.00000	.02100	.40030
1.187	8.880	.49480	-.04410	.13980	.08580	-.00510	.00110	-.00180	.00000	.08380	.31690
1.185	9.470	.52550	-.04700	.13800	.08260	-.00610	.00090	-.00120	.00000	.01320	.14250
1.184	10.060	.55570	-.04900	.13630	.08100	-.00560	.00060	-.00080	.00000	-.01030	.00600
1.183	10.660	.58800	-.05000	.13540	.07970	-.00480	.00050	-.00080	.00000	-.16740	-.12290
1.186	11.260	.61900	-.05080	.13440	.07900	-.00350	.00010	-.00110	.00000	-.29300	-.28210
1.187	11.860	.65210	-.05220	.13360	.07820	-.00250	.00010	-.00120	.00000	-.52860	-.40350
1.186	12.460	.68280	-.05360	.13330	.07740	-.00290	.00030	-.00100	.00000	-.60710	-.50200
1.183	13.050	.71740	-.05750	.13370	.07670	-.00390	.00020	-.00100	.00000	-.65420	-.65370
1.183	13.640	.75000	-.05810	.13400	.07640	-.00220	.00020	-.00090	.00000	-.71700	-.69160
1.182	14.230	.78560	-.06120	.13440	.07610	-.00190	.00000	-.00090	.00000	-.79560	-.79780
1.179	14.830	.81860	-.06320	.13530	.07610	-.00140	-.00020	-.00130	.00000	-.92910	-.87370
1.182	15.410	.85010	-.06530	.13570	.07570	-.00050	-.00040	-.00150	.00000	-1.00760	-.96470
1.185	15.990	.87920	-.06780	.13580	.07520	-.00090	-.00020	-.00120	.00000	-1.05470	-1.01020
1.181	16.580	.91560	-.07110	.13570	.07370	-.00180	-.00010	-.00110	.00000	-1.14110	-1.12390
1.181	17.170	.94520	-.07300	.13540	.07320	-.00190	-.00020	-.00100	.00000	-1.20390	-1.16180
1.185	17.750	.97050	-.07370	.13500	.07190	-.00160	-.00040	-.00110	.00000	-1.33740	-1.19980
1.188	18.330	.99570	-.07270	.13470	.07110	-.00140	-.00050	-.00110	.00000	-1.43950	-1.25280
1.191	18.900	1.02250	-.07220	.13440	.07040	-.00060	-.00050	-.00100	.00000	-1.52590	-1.25280
1.189	19.470	1.04780	-.07240	.13420	.06880	-.00070	-.00070	-.00100	.00000	-1.58090	-1.28320
1.188	20.020	1.07040	-.07170	.13390	.06760	-.00040	-.00080	-.00110	.00000	-1.68300	-1.31350
1.179	20.580	1.09890	-.07000	.13440	.06590	-.00100	-.00100	-.00120	.00000	-1.81650	-1.33630
1.184	21.060	1.11530	-.06910	.13470	.06550	-.00130	-.00100	-.00140	.00000	-1.88720	-1.33630
1.183	21.390	1.12810	-.06850	.13460	.06450	-.00150	-.00100	-.00130	.00000	-1.92640	-1.39690

TABULATED SOURCE DATA, LTV TEST 552, LAB7

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LAB7 (LTV 552) ORBITER 49-0

(RFD502)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1020/ 0 RN/L = 6.23

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.893	-.040	-.03050	.02770	.07800	.04450	-.00110	.00000	-.00040	.00000	-.08100	.85540
.893	.170	-.01880	.02750	.07760	.04430	-.00140	-.00010	-.00020	.00000	-.05740	.90840
.893	.370	-.00650	.02590	.07730	.04390	-.00120	.00000	-.00030	.00000	-.09570	.88570
.893	.700	.01580	.02420	.07760	.04450	-.00100	-.00020	-.00010	.00000	-.08100	.90090
.896	1.110	.03790	.02250	.07680	.04440	-.00050	-.00010	.00000	.00000	-.09670	.90840
.893	1.610	.06920	.02040	.07760	.04430	-.00150	-.00010	-.00030	.00000	-.02600	.84780
.897	2.160	.09900	.01860	.07700	.04490	-.00090	-.00030	.00000	.00000	-.08820	.91600
.895	2.700	.13180	.01610	.07710	.04460	-.00160	-.00020	-.00020	.00000	-.12020	.85540
.896	3.260	.15760	.01480	.07670	.04450	-.00140	-.00020	-.00020	.00000	-.07880	.90000
.895	3.840	.19050	.01510	.07700	.04510	-.00180	-.00040	-.00030	.00000	-.08100	.83570
.896	4.410	.21770	.01400	.07610	.04460	-.00130	-.00050	-.00040	.00000	-.03380	.90840
.897	4.980	.24150	.01480	.07500	.04370	-.00170	-.00030	-.00060	.00000	-.03380	.87050
.894	5.540	.27080	.01580	.07540	.04390	-.00260	-.00040	-.00090	.00000	-.04950	.86290
.896	6.120	.29780	.01550	.07460	.04390	-.00200	-.00060	-.00080	.00000	-.05740	.89330
.898	6.710	.32750	.01570	.07380	.04360	-.00190	-.00070	-.00110	.00000	-.15950	.87500
.898	7.300	.35530	.01540	.07380	.04320	-.00180	-.00070	-.00130	.00000	-.05740	.80980
.897	7.870	.38330	.01490	.07340	.04230	-.00230	-.00060	-.00160	.00000	-.06520	.77190
.897	8.450	.41280	.01510	.07310	.04230	-.00200	-.00070	-.00170	.00000	-.11240	.74160
.900	9.030	.43250	.01370	.07230	.04180	-.00110	-.00040	-.00170	.00000	-.13590	.73400
.900	9.630	.46020	.01420	.07300	.04170	-.00100	-.00050	-.00170	.00000	-.09670	.68850
.900	10.210	.49300	.01320	.07320	.04130	-.00100	-.00050	-.00120	.00000	-.13590	.49890
.902	10.800	.51780	.01250	.07320	.04110	-.00140	-.00060	-.00070	.00000	-.15160	.50650
.901	11.400	.54870	.01070	.07400	.04100	-.00140	-.00050	-.00040	.00000	-.22230	.37760
.902	11.990	.57600	.00760	.07440	.04090	-.00080	-.00040	-.00030	.00000	-.24590	.25620
.903	12.600	.60580	.00710	.07470	.04050	-.00050	-.00050	-.00070	.00000	-.25370	.16520
.903	13.190	.63090	.00470	.07500	.04020	-.00030	-.00010	-.00110	.00000	-.34800	.05910
.903	13.790	.66120	.00210	.07630	.04050	.00060	.00000	-.00110	.00000	-.39510	-.04700
.903	14.400	.69240	.00000	.07710	.03990	.00050	.00030	-.00100	.00000	-.44220	-.13040
.904	15.010	.71910	-.00040	.07760	.04010	.00110	.00060	-.00070	.00000	-.52070	-.19110
.903	15.620	.75600	-.00050	.07830	.03930	.00130	.00080	-.00060	.00000	-.55210	-.25940
.904	16.230	.78390	-.00260	.07840	.03830	.00080	.00060	-.00020	.00000	-.53640	-.39590
.903	16.830	.81640	-.00430	.07850	.03760	.00000	.00000	.00000	.00000	-.66210	-.38070
.903	17.440	.84380	-.00520	.07790	.03590	-.00020	-.00030	.00010	.00000	-.70130	-.37310
.899	18.040	.87880	-.00380	.07850	.03430	-.00090	-.00030	.00000	.00000	-.71710	-.39590
.900	18.620	.90240	-.00470	.07750	.03220	-.00090	-.00020	.00020	.00000	-.75630	-.42620
.897	19.220	.93270	-.00160	.07830	.03030	-.00200	-.00030	.00030	.00000	-.76420	-.44900
.897	19.770	.95360	.00060	.07850	.02820	-.00290	-.00040	.00050	.00000	-.78770	-.45650
.899	20.260	.95770	.00310	.07810	.02670	-.00180	-.00040	.00010	.00000	-.81910	-.50960
.898	20.680	.98100	.00520	.07850	.02600	-.00070	-.00050	-.00030	.00000	-.85840	-.46410
.896	20.980	.99680	.00820	.07960	.02550	-.00100	-.00050	-.00070	.00000	-.81910	-.47170
.891	21.250	1.00050	.01200	.07800	.02280	-.00260	-.00050	-.00010	.00000	-.81910	-.48690

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD003)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 3/ 0 RN/L = 7.63

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.607	-3.830	-.21130	.02620	.05360	.02790	-.00160	.00040	.00110	.00000	.44510	.70370
.605	-2.910	-.17140	.02590	.05620	.02920	-.00150	.00040	.00110	.00000	.35870	.71880
.602	-2.080	-.13070	.02520	.05760	.02740	-.00180	.00040	.00100	.00000	.42150	.66580
.599	-1.310	-.09620	.02430	.05850	.02450	-.00280	.00060	.00090	.00000	.38230	.73400
.594	-.540	-.06010	.02400	.05950	.02280	-.00270	.00050	.00090	.00000	.35870	.68850
.591	.220	-.02550	.02330	.05960	.02150	-.00350	.00050	.00090	.00000	.42940	.71880
.590	1.020	.00990	.02280	.05880	.02060	-.00320	.00050	.00080	.00000	.42150	.73400
.587	1.780	.05000	.02270	.05810	.02010	-.00360	.00040	.00080	.00000	.42150	.67330
.589	2.560	.08540	.02190	.05600	.01930	-.00320	.00070	.00070	.00000	.38230	.69610
.588	3.330	.12230	.02130	.05470	.01940	-.00350	.00060	.00070	.00000	.42940	.65820
.590	4.130	.16060	.02030	.05180	.01890	-.00340	.00070	.00080	.00000	.42150	.67330
.592	4.900	.19750	.01940	.04850	.01850	-.00460	.00050	.00010	.00000	.45290	.73400
.593	5.680	.23750	.01930	.04490	.01420	-.00360	.00030	.00020	.00000	.39800	.71130
.596	6.480	.27710	.01850	.04020	.01030	-.00390	.00010	.00010	.00000	.39010	.67330
.595	7.250	.31490	.01680	.03560	.00630	-.00330	.00020	.00000	.00000	.39800	.68850
.595	8.020	.35840	.01590	.03090	.00230	-.00410	.00020	-.00010	.00000	.44510	.66580
.597	8.790	.39350	.01620	.02570	-.00280	-.00520	.00020	-.00020	.00000	.39800	.62030
.597	9.590	.43180	.01620	.02060	-.00760	-.00450	.00030	-.00040	.00000	.45290	.67330
.599	10.350	.46620	.01580	.01480	-.01480	-.00550	.00020	-.00020	.00000	.40580	.63540
.597	11.130	.50750	.01800	.00950	-.02080	-.00470	.00020	-.00020	.00000	.46860	.58990
.593	11.910	.55180	.01760	.00450	-.02650	-.00530	.00020	-.00030	.00000	.42150	.58230
.592	12.710	.59400	.01750	.00000	-.03070	-.00420	.00030	-.00080	.00000	.40580	.57480
.590	13.470	.63850	.01610	-.00110	-.03220	-.00650	.00170	-.00010	.00000	.45290	.54440
.593	14.220	.67460	.01380	-.00020	-.03140	-.00630	.00190	.00150	.00000	.39800	.39270
.589	15.000	.71880	.01270	.00100	-.03080	-.00550	.00070	.00110	.00000	.37440	.35480
.589	15.750	.75390	.01210	.00220	-.02940	-.00330	-.00010	.00050	.00000	.28800	.23350
.591	16.530	.79980	.01100	.00360	-.02750	-.00150	-.00070	.00090	.00000	.31940	.14250
.591	17.280	.82780	.00890	.00600	-.02600	-.00100	-.00070	-.00020	.00000	.38230	.05150
.589	18.020	.87480	.00730	.00870	-.02370	-.00030	-.00060	-.00200	-.01000	.34300	-.04700
.589	18.760	.92260	.00250	.01030	-.02220	-.00170	-.00010	-.00100	.00000	.31940	-.03940
.592	19.500	.96060	-.00250	.01090	-.02030	-.00320	.00040	.00060	.00000	.31160	-.16780
.599	20.240	1.01460	-.00390	.01110	-.02220	-.00390	.00090	.00100	.00000	.28020	-.13040
.592	20.840	1.04190	-.00480	.01070	-.02260	-.00700	.00130	.00150	.00000	.35870	-.20630
.591	21.060	1.05670	-.00390	.01040	-.02380	-.00610	.00140	.00200	.00000	.31940	-.21390

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD003)

PARAMETRIC DATA

ELEVON =	.000	AILPON =	.000
SPDBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSPW =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 9/ 0 RN/L = 7.99

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CSL	BETA	ELVN-L	ELVN-R
.807	-3.910	-.24520	.03780	.06070	.03020	-.00280	.00080	.00090	.00000	.17020	.74160
.809	-2.990	-.19430	.03690	.06230	.03190	-.00230	.00060	.00100	.00000	.22520	.76430
.810	-2.150	-.14910	.03510	.06390	.03340	-.00290	.00060	.00090	.00000	.23310	.77190
.810	-1.350	-.10700	.03310	.06490	.03470	-.00300	.00050	.00080	.00000	.23310	.72640
.813	-.550	-.06960	.03210	.06590	.03580	-.00380	.00060	.00070	.00000	.18590	.70370
.812	.240	-.02480	.03090	.06570	.03600	-.00350	.00040	.00080	.00000	.20950	.71080
.811	1.050	.01550	.02950	.06560	.03580	-.00330	.00050	.00060	.00000	.17810	.71130
.810	1.850	.05770	.02830	.06460	.03500	-.00300	.00050	.00060	.00000	.20160	.68090
.809	2.650	.10300	.02690	.06270	.03290	-.00260	.00030	.00050	.00000	.20950	.73400
.810	3.440	.14430	.02570	.06060	.03130	-.00300	.00020	.00050	.00000	.23310	.75680
.811	4.240	.18960	.02350	.05830	.02920	-.00310	.00020	.00040	.00000	.24090	.67330
.810	5.060	.23580	.02120	.05580	.02680	-.00260	.00010	.00040	.00000	.24880	.71130
.811	5.860	.27870	.01840	.05350	.02490	-.00130	.00020	.00000	.00000	.29590	.67330
.810	6.660	.32090	.01580	.05180	.02290	-.00240	.00010	-.00020	.00000	.24880	.68850
.809	7.470	.36390	.01430	.05000	.02130	-.00330	.00020	-.00030	.00000	.20160	.62780
.809	8.250	.40100	.01440	.04840	.01950	-.00200	-.00050	-.00130	.00000	.23310	.65060
.810	9.060	.43970	.01420	.04750	.01860	-.00240	-.00070	-.00190	.00000	.20160	.55960
.807	9.860	.47670	.01560	.04670	.01710	-.00130	-.00060	-.00160	.00000	.17020	.58990
.807	10.680	.51080	.01680	.04670	.01700	-.00230	-.00010	-.00060	.00000	.15450	.53680
.806	11.430	.54410	.01700	.04730	.01700	-.00360	.00030	.00030	.00000	.20160	.46860
.806	12.240	.58030	.01690	.04840	.01740	-.00420	.00050	.00140	.00000	.27230	.43070
.807	13.000	.61900	.01440	.04910	.01730	-.00560	.00060	.00190	.00000	.31160	.35480
.805	13.800	.66330	.01130	.05070	.01730	-.00380	.00040	.00140	.00000	.06810	.26380
.805	14.570	.70710	.00590	.05310	.01840	-.00320	.00090	.00070	.00000	-.07310	.14250
.806	15.340	.75190	-.00030	.05510	.01930	-.00370	-.00020	.00050	.00000	-.15160	.10460
.805	16.140	.79680	-.00400	.05640	.01920	-.00270	-.00030	-.00070	.00000	-.26940	.02870
.804	16.930	.83920	-.00560	.05680	.01880	-.00360	-.00040	-.00120	.00000	-.33230	-.07740
.804	17.690	.87740	-.00540	.05700	.01740	-.00410	-.00040	-.00050	.00000	-.39510	-.10010
.802	18.450	.91520	-.00520	.05700	.01570	-.00380	-.00050	-.00010	.00000	-.39510	-.12290
.802	19.200	.94810	-.00350	.05710	.01380	-.00410	-.00060	.00090	.00000	-.37940	-.22140
.801	19.950	.98090	-.00040	.05750	.01210	-.00410	-.00070	.00170	.00000	-.51290	-.27450
.803	20.690	1.00460	.00450	.05790	.01070	-.00470	-.00120	.00170	.00000	-.48150	-.22900
.804	21.290	1.02540	.00840	.05780	.00850	-.00290	-.00170	.00210	.00000	-.37150	-.29730

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0503)

PARAMETRIC DATA

ELEVON =	.000	ATLRON =	.000
SPDBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	2.000
SDFLAP =	.000	RUDDER =	.000

RUN NO. 1003/ 0 RN/L = 7.59

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.587	-4.120	-.22400	.02650	.05270	.02720	-.00240	.00040	.00130	.00000	.57070	.29420
.586	-3.790	-.20950	.02550	.05390	.02900	-.00190	.00040	.00140	.00000	.53930	.33970
.586	-3.100	-.17740	.02500	.05540	.03110	-.00170	.00040	.00140	.00000	.52360	.33970
.585	-2.100	-.13100	.02430	.05780	.03290	-.00160	.00040	.00140	.00000	.56290	.31690
.585	-1.020	-.08350	.02430	.05920	.03390	-.00180	.00080	.00140	.00000	.53930	.29420
.587	.070	-.03060	.02340	.05880	.03350	-.00350	.00070	.00100	.00000	.51580	.30930
.586	1.190	.02250	.02310	.05840	.03190	-.00370	.00090	.00120	.00000	.51580	.30930
.586	2.330	.07720	.02220	.05660	.02970	-.00400	.00090	.00110	.00000	.51580	.33210
.586	3.460	.13430	.02220	.05340	.02720	-.00440	.00100	.00100	.00000	.48430	.29420
.590	4.610	.18490	.02010	.04860	.02280	-.00410	.00070	.00080	.00000	.46860	.30930
.590	5.780	.24040	.02030	.04310	.01780	-.00480	.00070	.00050	.00000	.47650	.23350
.590	6.920	.29870	.01880	.03690	.01130	-.00480	.00020	.00030	.00000	.51580	.25620
.594	8.090	.35620	.01790	.02920	.00490	-.00490	.00060	.00010	.00000	.42150	.15010
.593	9.270	.41640	.01750	.02170	-.00250	-.00420	.00050	.00010	.00000	.42940	.12730
.595	10.460	.47320	.01910	.01420	-.00910	-.00480	.00050	-.00010	.00000	.39800	.17280
.596	11.610	.53300	.01930	.00650	-.01680	-.00450	.00070	.00000	.00000	.35870	.10460
.595	12.810	.60190	.01940	.00110	-.02290	-.00560	.00080	-.00050	.00000	.46860	.08940
.595	14.000	.66530	.01730	.00020	-.02460	-.00630	.00150	.00000	.00000	.38230	.04390
.595	15.200	.72490	.01410	.00290	-.02310	-.00300	.00070	.00080	.00000	.40580	-.06220
.599	16.400	.78060	.01090	.00520	-.02160	-.00160	-.00020	.00000	.00000	.38230	-.13800
.594	17.620	.85580	.00630	.00950	-.02120	-.00080	-.00030	-.00080	.00000	.29590	-.12290
.595	18.790	.91990	.00100	.01140	-.01970	-.00220	.00010	-.00100	.00000	.27230	-.14560
.594	19.890	.99250	-.00420	.01200	-.02050	-.00480	.00070	.00100	.00000	.33510	-.16380
.595	20.670	1.03320	-.00390	.01180	-.02160	-.00540	.00110	.00180	.00000	.32730	-.19110
.590	21.010	1.05870	-.00450	.01000	-.02450	-.00550	.00140	.00180	.00000	.28020	-.21390

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD503)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1009/ 0 RN/L = 7.93

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CSL	BETA	ELVN-L	ELVN-R
.799	-4.280	-.26200	.03830	.05970	.02880	-.00260	.00060	.00110	.00000	.21730	.52170
.798	-4.030	-.25050	.03730	.06010	.02930	-.00300	.00060	.00100	.00000	.26450	.52920
.796	-3.410	-.21570	.03630	.06150	.03070	-.00340	.00060	.00090	.00000	.19380	.53680
.795	-2.450	-.16430	.03380	.06320	.03230	-.00320	.00090	.00080	.00000	.20950	.50850
.797	-1.350	-.10730	.03190	.06480	.03430	-.00300	.00060	.00090	.00000	.25660	.46100
.797	-.220	-.04900	.03010	.06530	.03480	-.00280	.00060	.00080	.00000	.23310	.46100
.798	.910	.00920	.02820	.06490	.03480	-.00320	.00070	.00070	.00000	.20160	.49890
.798	2.050	.06860	.02650	.06330	.03340	-.00340	.00070	.00060	.00000	.28800	.46860
.798	3.230	.13370	.02480	.06060	.03080	-.00360	.00050	.00050	.00000	.18590	.46860
.800	4.410	.19760	.02220	.05690	.02770	-.00330	.00050	.00040	.00000	.23310	.46860
.801	5.600	.26210	.01980	.05320	.02420	-.00320	.00020	.00010	.00000	.18590	.47620
.803	6.790	.32700	.01690	.05000	.02110	-.00310	.00010	-.00010	.00000	.23310	.41550
.804	7.990	.38860	.01450	.04830	.01910	-.00270	-.00010	-.00070	.00000	.31160	.33210
.806	9.200	.44480	.01530	.04690	.01780	-.00250	-.00030	-.00170	.00000	.16240	.30930
.808	10.390	.49560	.01690	.04690	.01720	-.00320	-.00030	-.00110	.00000	.02100	.23350
.811	11.600	.54970	.01770	.04830	.01770	-.00450	.00010	.00030	.00000	-.15950	.14250
.813	12.850	.61030	.01560	.05040	.01830	-.00520	.00050	.00130	.00000	-.29300	.06660
.814	14.050	.67570	.00890	.05370	.01940	-.00400	.00010	.00100	.00000	-.28510	-.02490
.815	15.310	.74480	.00160	.05670	.02080	-.00430	-.00010	.00070	.00000	-.35580	-.13040
.814	16.520	.81130	-.00360	.05840	.02010	-.00330	-.00040	-.00030	.00000	-.33230	-.19110
.813	17.790	.87360	-.00380	.05870	.01820	-.00350	-.00030	-.00060	.00000	-.41860	-.26690
.810	19.010	.93440	-.00190	.05870	.01520	-.00430	-.00040	.03100	.00000	-.46580	-.23660
.808	20.130	.98140	.00200	.05640	.01210	-.00410	-.00110	.00160	.00000	-.41080	-.26690
.806	21.030	1.01460	.00700	.05870	.00970	-.00370	-.00120	.00210	.00000	-.45010	-.29730
.803	21.570	1.03620	.00960	.05820	.00730	-.00250	-.00170	.00270	.00000	-.52070	-.31250

LA67 (LTV 552) ORBITER 49-0

(RFD004)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 4/ 0 RN/L = 10.21

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.621	-3.839	-.21000	.02610	.05260	.02780	-.00200	.00030	.00100	.00000	.51580	.93120
.620	-2.920	-.16740	.02400	.05540	.03140	-.00040	.00050	.00120	.00000	.60210	.82500
.621	-2.050	-.12570	.02430	.05680	.03320	-.00180	.00050	.00080	.00000	.50010	.87810
.618	-1.290	-.09420	.02320	.05870	.03510	-.00170	.00040	.00090	.00000	.61790	.88570
.617	-.490	-.05290	.02310	.05880	.03460	-.00260	.00050	.00080	.00000	.55500	.81740
.615	.280	-.01980	.02280	.05920	.03590	-.00210	.00060	.00080	.00000	.62570	.87810
.613	1.090	.01890	.02220	.05860	.03500	-.00280	.00050	.00070	.00000	.61790	.87810
.612	1.880	.05870	.02180	.05720	.03390	-.00280	.00040	.00060	.00000	.57860	.87810
.612	2.690	.09620	.02100	.05480	.03170	-.00180	.00050	.00070	.00000	.59430	.85540
.612	3.480	.13440	.02100	.05260	.03060	-.00300	.00050	.00030	.00000	.64140	.80230
.611	4.280	.17440	.02070	.05000	.02760	-.00350	.00050	.00020	.00000	.65710	.79470
.612	5.070	.21020	.02030	.04660	.02450	-.00380	.00080	.00010	.00000	.64930	.80230
.612	5.880	.24990	.01930	.04300	.02140	-.00290	.00070	.00030	.00000	.57860	.77950
.612	6.660	.28490	.01850	.03890	.01710	-.00310	.00080	.00030	.00000	.67280	.78710
.613	7.460	.32700	.01690	.03420	.01260	-.00340	.00070	.00020	.00000	.65710	.77190
.613	8.260	.36730	.01600	.02900	.00690	-.00350	.00060	.00030	.00000	.64140	.74920
.614	9.070	.40710	.01560	.02350	.00140	-.00390	.00060	.00000	.00000	.67280	.66580
.615	9.870	.44430	.01530	.01780	-.00400	-.00390	.00070	.00000	.00000	.58640	.66580
.614	10.660	.48700	.01680	.01260	-.00930	-.00410	.00060	-.00010	.00000	.61000	.69610
.615	11.450	.52490	.01630	.00760	-.01370	-.00360	.00080	-.00010	.00000	.65710	.62030
.616	12.260	.56500	.01680	.00240	-.01970	-.00260	.00060	-.00020	.00000	.65710	.67330
.616	13.050	.60960	.01600	.00000	-.02260	-.00270	.00130	-.00030	.00000	.63360	.62030
.615	13.830	.64890	.01510	-.00040	-.02360	-.00490	.00220	.00080	.00000	.60210	.53680
.615	14.620	.68500	.01410	.00110	-.02270	-.00410	.00140	.00120	.00000	.50790	.35480
.613	15.400	.72610	.01500	.00220	-.02210	-.00390	.00070	.00100	.00000	.46860	.16520
.613	16.170	.75830	.01400	.00260	-.02230	-.00240	.00020	.00080	.00000	.49220	.13490
.610	16.930	.80060	.01360	.00470	-.02180	-.00260	-.00020	.00090	.00000	.41370	-.00910
.610	17.720	.83610	.01220	.00600	-.02140	-.00160	-.00010	.00050	.00000	.31940	-.15320
.609	18.480	.87670	.01100	.00900	-.02000	-.00150	-.00020	-.00010	.00000	.29590	-.19110
.609	19.220	.92500	.00290	.01090	-.01890	-.00160	.00010	.00050	.00000	.20160	-.28970
.608	19.970	.98230	-.00030	.01040	-.02120	-.00310	.00050	.00050	.00000	.11670	-.37310
.609	20.710	1.02210	-.00140	.00930	-.02330	-.00370	.00070	.00130	.00000	.17020	-.35800
.609	21.320	1.05760	-.00220	.00840	-.02520	-.00410	.00100	.00190	.00000	.20160	-.35800

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD004)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 10/ 0 RN/L = 10.18

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.809	-4.010	-.24600	.03350	.06000	.03000	-.00030	.00030	.00040	.00000	.39800	1.21180
.810	-3.050	-.19290	.03270	.06200	.03220	-.00120	.00050	.00040	.00000	.46860	1.23450
.811	-2.180	-.14880	.03060	.06360	.03360	-.00150	.00050	.00040	.00000	.41370	1.21940
.813	-1.370	-.10790	.02960	.06490	.03510	-.00200	.00040	.00030	.00000	.44510	1.26490
.813	-.570	-.06850	.02840	.06550	.03590	-.00190	.00030	.00010	.00000	.45290	1.24970
.813	.240	-.02450	.02700	.06580	.03640	-.00240	.00040	.00000	.00000	.44510	1.21940
.813	1.070	.02120	.02600	.06510	.03590	-.00240	.00040	.00000	.00000	.39800	1.23450
.814	1.890	.06650	.02480	.06410	.03510	-.00280	.00060	.00000	.00000	.49220	1.21940
.813	2.710	.11080	.02290	.06250	.03360	-.00240	.00050	.00010	.00000	.48440	1.21180
.812	3.540	.15220	.02160	.06010	.03150	-.00260	.00040	.00000	.00000	.50790	1.24970
.811	4.350	.20070	.01950	.05800	.02970	-.00240	.00050	-.00010	.00000	.50010	1.22700
.812	5.180	.24710	.01740	.05570	.02720	-.00200	.00020	-.00030	.00000	.42940	1.23450
.811	6.000	.29250	.01480	.05340	.02510	-.00170	.00020	-.00030	.00000	.51580	1.22700
.810	6.820	.33760	.01260	.05110	.02290	-.00190	.00010	-.00070	.00000	.44510	1.16630
.810	7.640	.37820	.01130	.04940	.02100	-.00180	-.00040	-.00130	.00000	.42940	1.18900
.811	8.460	.41740	.01130	.04800	.01950	-.00150	-.00070	-.00180	.00000	.41370	1.09050
.811	9.280	.45640	.01230	.04660	.01850	-.00270	-.00080	-.00230	.01000	.42940	1.02220
.810	10.070	.49020	.01350	.04630	.01760	-.00230	-.00090	-.00190	.01000	.37440	1.02980
.810	10.870	.52510	.01550	.04620	.01750	-.00250	-.00060	-.00150	.00000	.37440	.91600
.809	11.670	.56010	.01550	.04620	.01660	-.00320	-.00030	-.00110	.01000	.40580	.77950
.809	12.480	.59770	.01450	.04660	.01590	-.00350	-.00010	.00020	.01000	.31940	.65060
.808	13.270	.63790	.01310	.04760	.01600	-.00420	.00000	.00120	.01000	.34300	.52920
.808	14.060	.67460	.01150	.04930	.01700	-.00330	-.00010	.00100	.01000	.20950	.35480
.807	14.860	.71750	.00710	.05170	.01740	-.00360	-.00040	.00080	.01000	-.07310	.14250
.807	15.680	.76550	.00120	.05340	.01820	-.00220	-.00050	-.00020	.00000	-.20660	.01360
.806	16.460	.81870	-.00450	.05460	.01780	-.00200	-.00040	-.00190	.00050	-.20660	-.04700
.805	17.240	.85170	-.00530	.05600	.01740	-.00190	-.00040	-.00130	.00000	-.32440	-.08490
.803	18.030	.88950	-.00470	.05580	.01620	-.00270	-.00020	-.00100	.00000	-.37150	-.16840
.802	18.790	.92340	-.00330	.05560	.01450	-.00260	-.00010	-.00050	.00000	-.40290	-.19110
.799	19.530	.96020	-.00110	.05600	.01280	-.00350	-.00020	.00050	.00000	-.41860	-.28970
.800	20.250	.98900	.00220	.05660	.01120	-.00400	-.00060	.00140	.01000	-.48150	-.35900
.802	20.960	1.00980	.00570	.05640	.00840	-.00330	-.00080	.00170	.00000	-.50500	-.34280
.801	21.530	1.03150	.01180	.05750	.00650	-.00300	-.00130	.00190	.00000	-.48150	-.34280
.803	21.760	1.04050	.01430	.05830	.00580	-.00250	-.00130	.00250	.00000	-.45790	-.39590

LA67 (LTV 552) ORBITER 49-0

(RFD004)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 147 0 RN/L = 10.06

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.904	-.060	-.02280	.01900	.07860	.04510	-.00260	.00030	.00020	.00000	.54720	1.50760
.904	.500	.00720	.01740	.07850	.04530	-.00180	.00030	.00030	.00000	.54720	1.45450
.903	1.220	.05220	.01530	.07820	.04530	-.00250	.00020	.00030	.00000	.59430	1.51510
.902	1.930	.09520	.01350	.07790	.04530	-.00240	.00020	.00020	.00000	.60210	1.48480
.901	2.580	.13170	.01150	.07740	.04500	-.00250	.00000	.00020	.00000	.61790	1.53030
.901	3.180	.16280	.01050	.07720	.04550	-.00230	.00000	.00010	.00000	.54720	1.50760
.902	3.800	.19110	.01230	.07680	.04510	-.00250	-.00010	.00000	.00000	.61790	1.50000
.902	4.400	.21950	.01310	.07680	.04540	-.00290	.00000	-.00010	.01000	.53930	1.53030
.904	5.040	.24940	.01320	.07630	.04510	-.00290	.00000	-.00040	.01000	.59430	1.46960
.904	5.650	.28060	.01290	.07590	.04510	-.00270	-.00010	-.00070	.01000	.57860	1.50760
.905	6.250	.30800	.01200	.07490	.04470	-.00230	.00000	-.00080	.00000	.57860	1.53030
.902	6.870	.33640	.01290	.07390	.04330	-.00260	.00000	-.00100	.01000	.65710	1.46210
.902	7.470	.36400	.01280	.07280	.04240	-.00220	-.00010	-.00130	.00000	.55500	1.46210
.900	8.080	.39310	.01250	.07220	.04170	-.00130	-.00030	-.00230	.00000	.61790	1.44690
.901	8.710	.42210	.01150	.07100	.04090	-.00140	-.00030	-.00250	.00000	.61790	1.50000
.901	9.320	.45180	.01160	.07010	.03950	-.00140	-.00060	-.00240	.00000	.57860	1.45450
.900	9.920	.48420	.00980	.06990	.03880	-.00190	-.00060	-.00170	.00000	.55500	1.40900
.901	10.540	.51500	.00780	.06940	.03780	-.00250	-.00040	-.00120	.01000	.56290	1.37860
.900	11.130	.54510	.00470	.06970	.03760	-.00250	-.00020	-.00080	.01000	.53150	1.32560
.901	11.730	.57010	.00350	.06980	.03710	-.00260	-.00020	-.00050	.01000	.50790	1.30280
.901	12.330	.59660	.00240	.07000	.03660	-.00220	-.00050	-.00010	.01000	.44510	1.09800
.900	12.930	.62450	.00180	.07050	.03630	-.00160	-.00080	.00030	.00000	.40580	.95390
.901	13.540	.65240	-.00010	.07070	.03580	-.00090	-.00120	.00070	.00000	.31940	.77190
.900	14.130	.68150	-.00210	.07200	.03680	-.00150	-.00110	.00080	.00000	.13880	.62780
.900	14.740	.71200	-.00560	.07260	.03640	-.00200	-.00100	.00060	.01000	.03670	.46860
.900	15.320	.74040	-.00600	.07290	.03580	-.00110	-.00100	.00030	.00000	-.04960	.43070
.899	15.930	.77030	-.00640	.07320	.03510	-.00190	-.00090	.00000	.01000	-.24590	.33970
.899	16.530	.79910	-.00640	.07390	.03520	-.00280	-.00070	-.00050	.01000	-.39510	.21070
.900	17.140	.83160	-.00710	.07380	.03400	-.00320	-.00050	-.00110	.01000	-.44220	.14250
.900	17.760	.86220	-.00650	.07420	.03310	-.00280	-.00030	-.00150	.01000	-.51290	.08180
.900	18.330	.88790	-.00660	.07420	.03130	-.00440	.00000	-.00110	.01000	-.63070	-.00150
.898	18.940	.91900	-.00450	.07510	.02360	-.00530	.00020	-.00070	.01000	-.73280	-.07740
.897	19.520	.94490	-.00180	.07520	.02790	-.00580	.00000	-.00040	.01000	-.79560	-.07740
.897	20.110	.96390	.00120	.07570	.02610	-.00560	.00000	-.00030	.01000	-.86630	-.21390
.898	20.660	.98030	.00490	.07600	.02470	-.00520	-.00030	-.00100	.01000	-.89770	-.27450
.898	21.210	.99910	.01020	.07660	.02280	-.00420	-.00100	-.00170	.01000	-.85840	-.27450
.899	21.680	1.00760	.01700	.07770	.02230	-.00170	-.00180	-.00170	.01000	-.92120	-.32000
.899	22.000	1.01530	.02250	.07830	.02190	-.00110	-.00260	-.00170	.01000	-.85060	-.35800

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD004)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPDS =	.500
BETA =	.200	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 25/ 0 RN/L = 10.22

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.193	.000	-.01800	.03560	.14790	.09360	-.00700	.00170	.00020	.02000	.41370	.90840
1.189	.370	.00150	.03120	.14810	.09350	-.00720	.00180	.00010	.02000	.40580	.93880
1.188	1.050	.04560	.02230	.14770	.09310	-.00660	.00180	.00010	.01000	.42150	.90840
1.189	1.780	.09420	.01260	.14710	.09350	-.00650	.00170	.00000	.01000	.39010	.86290
1.191	2.430	.13370	.00410	.14680	.09400	-.00640	.00160	-.00010	.01000	.39800	.84020
1.195	3.050	.16870	-.00260	.14630	.09450	-.00650	.00170	-.00020	.01000	.33510	.87050
1.198	3.660	.20340	-.00880	.14610	.09520	-.00660	.00160	-.00040	.02000	.32730	.83260
1.200	4.270	.23850	-.01450	.14550	.09490	-.00690	.00150	-.00040	.02000	.44510	.80990
1.197	4.900	.27730	-.02080	.14530	.09400	-.00640	.00160	-.00040	.02000	.34360	.74160
1.197	5.520	.31230	-.02680	.14430	.09330	-.00700	.00150	-.00050	.02000	.44510	.74920
1.193	6.150	.34810	-.03210	.14420	.09220	-.00650	.00150	-.00070	.02000	.33510	.73400
1.195	6.760	.38230	-.03650	.14320	.09100	-.00690	.00160	-.00060	.02000	.35870	.68850
1.196	7.370	.41630	-.04100	.14230	.08990	-.00700	.00150	-.00070	.02000	.34300	.61270
1.196	8.010	.45050	-.04450	.14130	.08840	-.00650	.00160	-.00080	.02000	.40580	.55200
1.197	8.620	.48390	-.04600	.13970	.08640	-.00680	.00150	-.00080	.02000	.46080	.44580
1.194	9.250	.51850	-.04830	.13830	.08390	-.00600	.00140	-.00090	.02000	.38230	.35480
1.193	9.880	.55100	-.04960	.13710	.08250	-.00590	.00120	-.00060	.02000	.20950	.28660
1.195	10.500	.58660	-.05110	.13560	.08060	-.00560	.00100	-.00070	.02000	.11530	.07420
1.196	11.120	.62010	-.05280	.13470	.07910	-.00510	.00080	-.00090	.02000	-.05740	-.16840
1.193	11.750	.65230	-.05380	.13370	.07740	-.00290	.00010	-.00150	.01000	-.14380	-.38070
1.193	12.390	.68590	-.05450	.13330	.07690	-.00150	-.00060	-.00180	.01000	-.37940	-.60060
1.192	13.010	.72140	-.05630	.13250	.07570	-.00190	-.00030	-.00140	.01000	-.57570	-.82060
1.196	13.620	.74910	-.05850	.13140	.07520	-.00190	-.00010	-.00100	.01000	-.83490	-.96470
1.193	14.260	.78660	-.06040	.13210	.07520	-.00230	-.00020	-.00100	.01000	-1.10180	-1.07840
1.192	14.850	.81420	-.06260	.13230	.07470	-.00190	-.00010	-.00080	.01000	-1.32960	-1.11630
1.192	15.470	.84840	-.06470	.13310	.07450	-.00170	-.00030	-.00120	.01000	-1.41600	-1.23770
1.193	16.090	.87990	-.06730	.13310	.07390	-.00140	-.00030	-.00120	.01000	-1.52590	-1.33630
1.194	16.690	.91550	-.07000	.13310	.07310	-.00180	-.00020	-.00110	.01000	-1.64370	-1.47280
1.195	17.320	.94390	-.07100	.13230	.07200	-.00150	-.00020	-.00080	.01000	-1.76150	-1.54860
1.191	17.910	.97430	-.07060	.13250	.07090	-.00170	-.00040	-.00090	.01000	-1.92640	-1.55620
1.192	18.520	1.00170	-.07040	.13200	.06950	-.00130	-.00050	-.00070	.01000	-2.01280	-1.66240
1.190	19.090	1.02720	-.07070	.13190	.06830	-.00140	-.00060	-.00070	.01000	-2.07560	-1.73060
1.194	19.710	1.05000	-.06980	.13120	.06560	-.00090	-.00060	-.00060	.01000	-2.12270	-1.80650
1.192	20.290	1.07670	-.06910	.13130	.06540	-.00020	-.00090	-.00070	.01000	-2.20910	-1.81400
1.192	20.870	1.10070	-.06740	.13100	.06420	.00000	-.00090	-.00090	.00000	-2.31910	-1.93540
1.192	21.440	1.12190	-.06520	.13070	.06300	.00010	-.00100	-.00100	.00000	-2.38190	-1.99610
1.192	21.940	1.14250	-.06330	.13060	.06200	.00010	-.00140	-.00120	.01000	-2.53110	-2.08710
1.192	22.250	1.15450	-.06170	.13000	.06040	.00030	-.00120	-.00110	.00000	-2.46830	-2.14770

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RF0005)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 12/ 0 RN/L = 12.04

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.815	-.030	-.03600	.02660	.06480	.03580	-.00200	.00030	.00010	.00000	.65710	1.30280
.817	.270	-.02030	.02540	.06470	.03590	-.00230	.00040	.00000	.00000	.61000	1.34830
.818	.960	.01710	.02560	.06460	.03590	-.00230	.00040	.00000	.00000	.65710	1.30280
.820	1.690	.05640	.02420	.06330	.03500	-.00200	.00040	.00000	.00000	.62570	1.34830
.819	2.380	.09380	.02280	.06210	.03420	-.00210	.00030	.00000	.00000	.62570	1.34830
.817	3.010	.12630	.02230	.06100	.03300	-.00220	.00040	.00000	.00000	.70420	1.30280
.817	3.620	.15890	.02070	.05910	.03140	-.00200	.00050	-.00010	.00000	.67280	1.34070
.815	4.240	.19370	.01930	.05720	.02950	-.00250	.00050	-.00020	.00000	.64140	1.28760
.814	4.880	.23040	.01790	.05560	.02780	-.00230	.00030	-.00030	.00000	.66500	1.28000
.812	5.490	.26240	.01540	.05360	.02590	-.00250	.00030	-.00040	.01000	.65710	1.34070
.811	6.130	.29700	.01410	.05210	.02440	-.00260	.00020	-.00050	.01000	.68070	1.25730
.813	6.760	.32820	.01240	.05020	.02270	-.00210	.00000	-.00060	.01000	.68650	1.28000
.812	7.380	.36170	.01150	.04890	.02120	-.00250	.00000	-.00050	.01000	.62570	1.23450
.812	8.000	.39150	.01110	.04770	.02020	.00240	.00000	-.00080	.01000	.67280	1.21940
.813	8.610	.41930	.01110	.04660	.01920	.00250	-.00010	-.00100	.01000	.62570	1.20420
.811	9.240	.45980	.01230	.04620	.01820	-.00300	.00000	-.00110	.01000	.57070	1.12840
.812	9.840	.47530	.01230	.04530	.01710	-.00290	.00000	-.00110	.01000	.57860	1.09050
.811	10.460	.50430	.01350	.04550	.01710	-.00310	.00000	-.00090	.01000	.53150	1.11320
.811	11.090	.53150	.01480	.04520	.01640	-.00280	.00000	-.00100	.01000	.53150	1.00700
.810	11.700	.55950	.01520	.04510	.01570	-.00320	.00000	-.00100	.01000	.54720	.90090
.811	12.310	.58260	.01500	.04500	.01530	-.00310	.00000	-.00060	.01000	.48440	.83260
.811	12.910	.60900	.01490	.04530	.01500	-.00360	.00010	.00010	.01000	.40580	.71130
.810	13.510	.63850	.01500	.04590	.01470	-.00390	.00020	.00040	.01000	.40580	.49130
.810	14.120	.66940	.01310	.04650	.01480	-.00290	.00020	.00040	.01000	.20950	.39270
.809	14.740	.70350	.01160	.04820	.01510	-.00250	.00000	.00000	.01000	.03670	.18800
.808	15.350	.73650	.00760	.04930	.01510	-.00190	-.00010	-.00050	.01000	-.05740	.10460
.807	15.950	.77310	.00350	.05010	.01460	-.00190	.00000	-.00100	.01000	-.19090	-.01670
.806	16.560	.80800	-.00110	.05120	.01470	-.00160	-.00010	-.00100	.01000	-.22230	-.09250
.804	17.150	.84310	-.00290	.05250	.01490	-.00210	-.00040	-.00080	.01000	-.29300	-.13800
.803	17.740	.86970	-.00400	.05320	.01450	-.00210	-.00030	-.00060	.01000	-.28510	-.17590
.801	18.310	.89440	-.00300	.05390	.01380	-.00220	-.00030	-.00040	.01000	-.34010	-.24420
.800	18.880	.91860	-.00260	.05400	.01260	-.00270	-.00010	-.00040	.01000	-.36370	-.27450
.800	19.430	.94430	.00020	.05460	.01170	-.00330	.00000	-.00020	.01000	-.44220	-.38070

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD005)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 13/ 0 RN/L = 11.94

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.908	-.090	-.02440	.02090	.07850	.04620	-.00220	.00040	.00030	.00000	.57070	1.47720
.908	.150	-.00950	.01920	.07900	.04630	-.00200	.00030	.00030	.00000	.63360	1.40900
.909	.450	.00620	.01870	.07870	.04630	-.00210	.00020	.00030	.00000	.64140	1.49240
.908	.790	.02810	.01650	.07900	.04680	-.00240	.00030	.00030	.00000	.65710	1.40900
.908	1.180	.95180	.01530	.07350	.04620	-.00200	.00030	.00020	.00000	.61790	1.49240
.907	1.560	.07530	.01450	.07840	.04650	-.00210	.00020	.00020	.00000	.65710	1.50760
.908	1.920	.09610	.01330	.07800	.04630	-.00230	.00010	.00030	.00000	.63360	1.50760
.907	2.260	.11320	.01280	.07810	.04660	-.00250	.00020	.00020	.01000	.66500	1.49240
.908	2.580	.13090	.01200	.07750	.04610	-.00280	.00010	.00020	.01000	.62570	1.46960
.907	2.910	.14790	.01110	.07740	.04630	-.00290	.00000	.00010	.01000	.62570	1.50760
.906	3.200	.16380	.01150	.07720	.04600	-.00270	.00010	.00000	.01000	.61790	1.45450
.907	3.530	.17710	.01160	.07690	.04600	-.00320	.00010	.00000	.01000	.68850	1.46210
.905	3.810	.19100	.01240	.07690	.04590	-.00300	.00020	.00000	.01000	.63360	1.45450
.906	4.130	.20500	.01340	.07630	.04540	-.00250	.00010	.00010	.01000	.65500	1.46960
.906	4.460	.21940	.01390	.07610	.04550	-.00250	.00000	.00010	.01000	.70420	1.53030
.906	4.760	.23260	.01490	.07570	.04520	-.00290	.00000	.00010	.01000	.68070	1.53030
.906	5.070	.24750	.01420	.07550	.04500	-.00260	.00010	.00000	.01000	.68850	1.50760
.906	5.380	.26300	.01420	.07500	.04480	-.00290	.00000	-.00010	.01000	.66500	1.46960
.905	5.700	.27770	.01440	.07470	.04460	-.00220	.00000	-.00030	.01000	.66500	1.53030
.906	6.020	.29220	.01330	.07440	.04430	-.00280	.00000	-.00040	.01000	.73360	1.48480
.906	6.330	.30700	.01330	.07420	.04430	-.00310	.00000	-.00050	.01000	.71210	1.46960
.905	6.640	.32240	.01340	.07400	.04390	-.00260	.00000	-.00070	.01000	.66500	1.49240
.906	6.960	.33620	.01230	.07340	.04350	-.00300	.00000	-.00080	.01000	.67280	1.44690
.906	7.270	.35240	.01150	.07280	.04290	-.00270	-.00020	-.00100	.01000	.66500	1.45450
.905	7.570	.36850	.01090	.07260	.04300	-.00260	-.00020	-.00100	.01000	.68850	1.48480
.906	7.890	.38250	.01020	.07210	.04210	-.00300	.00000	-.00060	.01000	.75920	1.42410
.905	8.190	.39620	.01030	.07200	.04210	-.00280	.00000	-.00070	.01000	.67280	1.44690
.907	8.490	.40980	.00950	.07150	.04110	-.00300	-.00010	-.00090	.01000	.75920	1.40900
.907	8.810	.42380	.01040	.07120	.04040	-.00250	-.00020	-.00100	.01000	.71210	1.47720
.904	9.110	.43980	.01070	.07110	.04040	-.00220	-.00020	-.00090	.01000	.66500	1.47720
.905	9.440	.45320	.01000	.07060	.03990	-.00290	-.00020	-.00080	.01000	.67280	1.43930
.904	9.740	.46710	.01040	.07020	.03910	-.00280	-.00020	-.00080	.01000	.68070	1.43170
.902	10.040	.48280	.00970	.7010	.03880	-.00290	-.00020	-.00090	.01000	.65710	1.40900
.902	10.350	.49900	.00870	.06960	.03820	-.00290	-.00020	-.00080	.01000	.65710	1.37860
.901	10.670	.51530	.00760	.06890	.03730	-.00340	-.00020	-.00060	.01000	.65710	1.42410
.900	10.950	.53030	.00630	.06870	.03670	-.00390	.00000	-.00040	.01000	.64140	1.33310
.900	11.250	.54530	.00500	.06840	.03620	-.00380	.00000	-.00050	.01000	.68850	1.32560
.898	11.560	.55930	.00440	.06850	.03620	-.00350	.00000	-.00060	.01000	.62570	1.31800
.898	11.850	.57310	.00400	.06820	.03570	-.00350	.00000	-.00050	.01000	.57860	1.28760
.898	12.140	.58820	.00350	.06830	.03580	-.00330	.00000	-.00040	.01000	.55500	1.15870
.897	12.450	.60400	.00270	.06850	.03500	-.00320	-.00010	.00000	.01000	.57860	1.07530
.898	12.730	.61640	.00240	.06850	.03520	-.00270	-.00030	.00020	.01000	.49220	1.00700

TABULATED SOURCE DATA, LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD005)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 13/ 0 RN/L = 11.94

MACH	ALFA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.898	13.030	.62810	.00220	.06870	.03500	-.00270	-.00050	.00040	.01000	.45290	.93880
.897	13.330	.64270	.00150	.06920	.03450	-.00230	-.00060	.00060	.01000	.42940	.83260

TABULATED SOURCE DATA, LTV TEST 552, LA57

PAGE 19

LA57 (LTV 552) ORBITER 49-0

(RFD006)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 67/ 0 RN/L = 5.06

MACH	ALPHA	CN	CLM	CA	CAS	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.605	-3.700	-.20580	.02580	.05480	.02660	-.00180	.00030	.00200	.00000	.59430	.79470
.602	-2.820	-.16420	.02530	.05820	.03010	-.00280	.00000	.00190	.00000	.56290	.75680
.604	-2.000	-.12700	.02500	.06010	.03250	-.00200	.00020	.00190	.00000	.55500	.76430
.604	-1.270	-.08990	.02530	.06150	.03280	-.00310	.00020	.00160	.00000	.61000	.74920
.608	-.500	-.05520	.02440	.06080	.03260	-.00320	.00070	.00130	.00000	.59430	.71130
.605	.230	-.02020	.02520	.06220	.03420	-.00210	.00060	.00160	.00000	.61790	.77950
.608	1.010	.01490	.02470	.06010	.03420	-.00310	.00090	.00130	.00000	.54720	.74160
.605	1.750	.05010	.02380	.05990	.03320	-.00280	.00080	.00140	.00000	.62570	.74160
.606	2.510	.08600	.02410	.05750	.03220	-.00360	.00100	.00120	.00000	.60220	.70370
.604	3.280	.12050	.02350	.05570	.02820	-.00390	.00040	.00100	.00000	.61790	.77190
.602	4.020	.15820	.02200	.05360	.02720	-.00360	.00060	.00110	.00000	.59430	.73400
.602	4.800	.19680	.02160	.04990	.02400	-.00460	.00090	.00120	.00000	.65710	.71130
.604	5.540	.23400	.02000	.04570	.01960	-.00500	.00090	.00130	.00000	.65710	.73400
.601	6.300	.27280	.01830	.04210	.01490	-.00530	.00050	.00120	.00000	.61790	.71880
.600	7.060	.30990	.01840	.03780	.01120	-.00550	.00060	.00110	.00000	.65710	.75680
.601	7.810	.34900	.01740	.03300	.00880	-.00450	.00090	.00130	.00000	.59430	.71880
.598	8.570	.39120	.01700	.02900	.00170	-.00430	.00050	.00130	.00000	.61790	.73400
.599	9.340	.43490	.01610	.02380	-.00280	-.00520	.00090	.00110	.00000	.64140	.65060
.606	10.080	.46410	.01580	.01890	-.00600	-.00430	.00100	.00130	.00000	.55500	.67330
.607	10.840	.50430	.01750	.01350	-.01160	-.00340	.00080	.00110	.00000	.64140	.63540
.605	11.600	.54330	.01850	.00880	-.01620	-.00420	.00060	.00080	.00000	.66500	.66580
.605	12.340	.58470	.01790	.00470	-.02120	-.00560	.00050	.00070	.00000	.58640	.62030
.600	13.110	.63510	.01610	.00500	-.02260	-.00900	.00210	.00220	.00000	.64140	.61270
.607	13.840	.66420	.01450	.00750	-.01860	-.00730	.00250	.00330	.00000	.54720	.58230
.599	14.600	.71420	.01230	.00810	-.02100	-.00800	.00160	.00320	.00000	.48440	.49130
.604	15.340	.74630	.00920	.00950	-.01770	-.00530	.00030	.00200	.00000	.28020	.43620
.597	16.080	.79970	.00820	.01020	-.02050	-.00280	-.00050	.00120	.00000	.20950	.45340
.601	16.800	.83380	.00540	.01220	-.01860	-.00120	-.00070	.00020	-.01000	.14670	.37000
.599	17.550	.87570	.00400	.01360	-.01820	-.00060	-.00080	-.00110	-.01000	.13880	.29420
.598	18.270	.92220	.00290	.01270	-.01970	-.00040	-.00060	-.00030	-.01000	.02100	.29420
.599	18.980	.96500	-.00070	.01240	-.02070	-.00280	-.00030	.00170	-.01000	.06030	.18900
.601	19.690	1.00610	-.00640	.01250	-.02100	-.00390	.00040	.00370	-.01000	.02890	.11970
.601	20.360	1.04150	-.00720	.01420	-.02130	-.00670	.00090	.00610	-.01000	-.01030	.02870
.602	20.780	1.06970	-.00870	.01410	-.02060	-.00750	.00110	.00730	.00000	-.08100	.02110

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFO506)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1067/ 0 RN/L = 5.03

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.597	-3.980	-.22060	.02820	.05440	.02800	-.00280	.00090	.00150	.00000	.29590	.48370
.594	-3.580	-.20300	.02670	.05630	.02770	-.00220	.00060	.00170	.00000	.22520	.50650
.595	-2.760	-.16100	.02620	.05720	.02910	-.00410	.00030	.00120	.00000	.22520	.49890
.594	-1.740	-.11730	.02650	.06000	.03090	-.00340	.00040	.00130	.00000	.23310	.54440
.597	-.660	-.06390	.02590	.06020	.03370	-.00370	.00080	.00100	.00000	.27230	.48370
.593	.390	-.01340	.02540	.06170	.03350	-.00220	.00070	.00110	.00000	.28800	.48370
.597	1.450	.03310	.02520	.05950	.03420	-.00210	.00090	.00110	.00000	.31160	.52930
.598	2.500	.08110	.02470	.05690	.03100	-.00300	.00110	.00090	.00000	.24090	.53680
.595	3.550	.13550	.02470	.05510	.02850	-.00410	.00070	.00070	.00000	.28800	.48370
.599	4.670	.18700	.02350	.05000	.02480	-.00490	.00060	.00080	.00000	.22520	.49890
.601	5.790	.23890	.02180	.04430	.02000	-.00500	.00040	.00080	.00000	.18590	.50650
.603	6.930	.29850	.01980	.03780	.01340	-.00450	.00040	.00080	.00000	.12310	.46860
.599	8.060	.36200	.01870	.03130	.00500	-.00320	.00060	.00050	.00000	.13880	.38520
.601	9.220	.42170	.01820	.02400	-.00150	-.00290	.00090	.00040	.00000	.09170	.36240
.601	10.390	.48470	.01900	.01700	-.00930	-.00440	.00070	.00000	.00000	.13880	.37760
.605	11.580	.54240	.02060	.01010	-.01530	-.00480	.00060	-.00020	.00000	.09960	.35480
.608	12.770	.60210	.01940	.00670	-.01830	-.00680	.00100	.00010	.00000	.08380	.32450
.606	13.940	.66930	.01690	.00820	-.01930	-.00600	.00180	.00190	.00000	.02890	.19560
.603	15.130	.73830	.01210	.01060	-.01900	-.00460	.00070	.00130	.00000	-.02600	.18800
.602	16.310	.80860	.00690	.01210	-.01960	-.00100	-.00040	.00040	-.01000	.03670	.08940
.602	17.510	.87690	.00340	.01440	-.01820	-.00060	-.00050	-.00060	-.01000	-.03380	.06660
.601	18.670	.94740	.00080	.01430	-.01980	-.00240	-.00010	.00040	-.01000	-.03380	.05150
.602	19.740	1.01560	-.00470	.01480	-.02050	-.00430	.00040	.00370	-.01000	-.07310	.04390
.601	20.500	1.05900	-.00810	.01650	-.01960	-.00570	.00080	.00700	-.01000	-.03380	.01350
.600	20.770	1.07710	-.00930	.01480	-.02140	-.00690	.00100	.00750	-.01000	-.05740	.05910

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD007)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN-NO. 56/ 0 RN/L = 6.07

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.897	-3.890	-.26530	.04260	.07520	.03970	-.00340	.00120	.00140	.00000	.90060	1.09800
.895	-2.980	-.20550	.03800	.07610	.04070	-.00240	.00100	.00150	.00000	.90060	1.03740
.896	-2.110	-.15110	.03360	.07690	.04200	-.00330	.00090	.00140	.00000	.89270	1.04490
.894	-1.340	-.10560	.02970	.07730	.04260	-.00340	.00100	.00110	.00000	.93980	1.07530
.892	-.580	-.06110	.02650	.07710	.04230	-.00400	.00090	.00110	.00000	.92410	1.07530
.889	.210	-.01350	.02440	.07730	.04300	-.00240	.00080	.00080	.00000	.87700	1.02980
.890	.980	.03100	.02080	.07790	.04400	-.00350	.00070	.00070	.00000	.86910	1.02220
.893	1.770	.07550	.01920	.07640	.04300	-.00230	.00060	.00050	.00000	.92410	1.09050
.890	2.540	.11720	.01940	.07700	.04390	-.00340	.00050	.00030	.00000	.85130	1.09050
.893	3.320	.15530	.01810	.07630	.04310	-.00270	.00080	.00080	.00000	.93980	1.05770
.893	4.100	.19570	.01720	.07630	.04450	-.00360	.00080	.00110	.00000	.90060	1.12080
.894	4.880	.23560	.01610	.07590	.04410	-.00390	.00070	.00130	.00000	.91630	1.11320
.890	5.640	.27410	.01550	.07420	.04150	-.00510	.00070	.00170	.00000	.97120	1.12840
.889	6.420	.31340	.01510	.07380	.04210	-.00510	.00020	.00160	.00000	.90060	1.07530
.889	7.190	.35060	.01370	.07320	.04060	-.00480	.00000	.00080	.00000	.97120	1.11320
.893	7.970	.38810	.01240	.07210	.03990	-.00460	.00020	.00070	.00000	.96340	1.05250
.894	8.740	.42270	.01170	.07250	.04130	-.00330	.00050	.00060	.00000	.92410	1.02980
.890	9.500	.45560	.01140	.07140	.03900	-.00310	.00060	.00020	.00000	.96340	1.07530
.897	10.270	.49360	.01030	.07040	.03740	-.00300	.00060	.00030	.00000	.98690	1.02380
.890	11.050	.53420	.00780	.07080	.03820	-.00300	.00060	.00090	.00000	.90060	.99190
.893	11.840	.57110	.00560	.07090	.03700	-.00300	.00020	.00070	.00000	.87700	.91600
.890	12.580	.60860	.00260	.07220	.03730	-.00200	.00060	.00100	.00000	.85340	.88570
.890	13.350	.64490	-.00100	.07270	.03630	-.00300	.00040	.00090	.00000	.64140	.72640
.889	14.110	.68220	-.00270	.07300	.03700	-.00280	.00000	.00140	.00000	.34300	.49890
.897	14.870	.72130	-.00430	.07370	.03560	-.00230	.00010	.00120	.00000	.18590	.36240
.888	15.640	.76070	-.00500	.07420	.03560	-.00200	.00020	.00070	.00000	.10740	.27900
.890	16.400	.79760	-.00610	.07380	.03490	-.00110	.00000	.00070	.00000	.07600	.05910
.891	17.160	.83710	-.00790	.07410	.03400	-.00260	.00000	.00080	.00000	.03670	-.05980
.891	17.900	.87870	-.00960	.07500	.03190	-.00420	.00020	.00180	.00000	-.07310	-.12290
.888	18.640	.91710	-.00740	.07530	.02900	-.00550	.00060	.00250	.00000	-.07310	-.16840
.888	19.360	.94500	-.00500	.07620	.02720	-.00550	.00020	.00200	.00000	-.18310	-.24420
.887	20.080	.96960	-.00160	.07670	.02560	-.00490	.00020	.00180	.00000	-.20660	-.31250
.887	20.770	.99450	.00410	.07760	.02270	-.00570	.00040	.00170	.00000	-.26160	-.38930
.897	21.220	1.01120	.00820	.07870	.02130	-.00530	.00070	.00140	.00000	-.26940	-.39590

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFDD007)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 65/ 0 RN/L = 6.50

MACH	ALPHA	CN	CLM	CA	CAS	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.189	.010	-.01520	.03110	.14750	.09180	-.00650	.00150	.00010	.01000	.99480	1.26490
1.189	.570	.02060	.02400	.14700	.09230	-.00650	.00140	.00000	.01000	1.03410	1.28760
1.187	1.180	.06000	.01630	.14720	.09300	-.00660	.00150	.00000	.01000	.95550	1.26490
1.184	1.780	.09670	.00880	.14700	.09230	-.00640	.00160	.00000	.01000	.97910	1.28760
1.190	2.310	.13000	.00200	.14620	.09340	-.00650	.00140	-.00010	.01000	.98690	1.28000
1.189	2.830	.16150	-.00460	.14580	.09250	-.00620	.00140	.00000	.01000	1.02620	1.20420
1.189	3.330	.19260	-.00990	.14600	.09380	-.00650	.00160	.00000	.01000	.95550	1.21180
1.188	3.850	.22330	-.01500	.14570	.09330	-.00670	.00150	.00000	.01000	.97120	1.21180
1.190	4.380	.25370	-.02070	.14590	.09370	-.00640	.00130	-.00010	.01000	.92410	1.21180
1.188	4.900	.28630	-.02570	.14450	.09310	-.00630	.00130	-.00010	.01000	.94770	1.15110
1.188	5.440	.31430	-.03080	.14370	.09160	-.00610	.00120	-.00020	.01000	.99480	1.09050
1.188	5.950	.34530	-.03480	.14340	.09210	-.00640	.00130	-.00030	.01000	.96340	1.07530
1.187	6.470	.37420	-.03890	.14290	.09030	-.00630	.00150	-.00010	.01000	.92410	1.02980
1.189	7.000	.40360	-.04230	.14170	.08980	-.00660	.00120	-.00020	.01000	.82200	1.00700
1.186	7.520	.43210	-.04490	.14110	.08890	-.00650	.00140	-.00010	.01000	.79850	.86290
1.187	8.060	.45860	-.04680	.13970	.08690	-.00660	.00120	-.00020	.01000	.84560	.80230
1.184	8.570	.48530	-.04840	.13910	.08550	-.00620	.00110	-.00010	.01000	.62570	.69610
1.188	9.100	.51070	-.04920	.13710	.08370	-.00570	.00080	-.00070	.01000	.46870	.62030
1.188	9.610	.53730	-.04950	.13590	.08330	-.00430	.00020	-.00160	.00000	.32730	.52930
1.188	10.130	.56470	-.04950	.13470	.08170	-.00390	.00010	-.00130	.00000	.27230	.40030
1.183	10.660	.58990	-.05010	.13380	.07930	-.00310	.00010	-.00090	.00000	.22520	.21830
1.184	11.190	.61610	-.05120	.13280	.07840	-.00280	-.00020	-.00110	.00000	.16240	.12730
1.185	11.710	.64410	-.05300	.13230	.07750	-.00220	-.00020	-.00090	.00000	.13880	-.03190
1.187	12.220	.67580	-.05530	.13230	.07780	-.00250	-.00020	-.00090	.00000	.00530	-.10770
1.187	12.750	.70370	-.05750	.13230	.07640	-.00330	-.00010	-.00070	.00000	-.09670	-.24420
1.187	13.270	.73380	-.06020	.13210	.07570	-.00310	-.00020	-.00050	.00000	-.12020	-.40350
1.182	13.770	.76620	-.06260	.13310	.07550	-.00300	-.00010	-.00040	.00000	-.14380	-.52480
1.181	14.290	.79400	-.06420	.13340	.07500	-.00230	-.00030	-.00050	.00000	-.19880	-.62340
1.186	14.820	.82060	-.06520	.13350	.07530	-.00150	-.00050	-.00070	.00000	-.31660	-.64610
1.184	15.330	.84790	-.06750	.13440	.07490	-.00070	-.00080	-.00070	.00000	-.34800	-.79020
1.188	15.830	.87590	-.06980	.13340	.07380	-.00150	-.00050	-.00070	.00000	-.41080	-.78760
1.187	16.340	.90380	-.07230	.13350	.07280	-.00150	-.00020	-.00040	.00000	-.45790	-.87370
1.184	16.860	.93400	-.07390	.13360	.07170	-.00180	-.00030	-.00050	.00000	-.61500	-.90400
1.189	17.360	.95390	-.07480	.13300	.07140	-.00090	-.00050	-.00040	.00000	-.59930	-.99500
1.184	17.870	.98050	-.07510	.13310	.05960	-.00070	-.00060	-.00050	.00000	-.70920	-.1.02530
1.181	18.370	1.00410	-.07470	.13310	.06890	-.00090	-.00050	-.00050	.00000	-.78770	-.1.06320
1.188	18.860	1.02420	-.07440	.13220	.06850	-.00110	-.00080	-.00040	.00000	-.81920	-.1.07080
1.187	19.360	1.04650	-.07450	.13190	.06750	-.00100	-.00090	-.00030	.00000	-.84270	-.1.07840
1.187	19.860	1.06710	-.07440	.13160	.06630	-.00060	-.00100	-.00030	.00000	-.85060	-.1.10880
1.182	20.350	1.09310	-.07420	.13260	.06550	-.00080	-.00090	-.00050	.00000	-.99980	-.1.19220
1.186	20.810	1.10870	-.07260	.13240	.06530	-.00100	-.00110	-.00050	.00000	-.1.00760	-.1.16940
1.184	21.230	1.12720	-.07130	.13220	.06360	-.00060	-.00110	-.00050	.00000	-.1.05470	-.1.19220

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD007)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPQS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 65/ 0 RN/L = 6.50

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.182	21.510	1.14210	-.07170	.13270	.06310	-.00060	-.00110	-.00070	.00000	-1.11760	-1.28320

LA67 (LTV 552) ORBITER 49-0

(RFD507)

PARAMETRIC DATA

ELEVON =	.000	ATLON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1066/ 0 RN/L = 6.06

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.890	-4.200	-.27790	.04220	.07220	.03680	-.00410	.00110	.00140	.00000	.85340	1.03740
.892	-3.930	-.25740	.04020	.07230	.03750	-.00300	.00110	.00150	.00000	.82200	1.00700
.893	-3.280	-.21840	.03690	.07340	.03890	-.00310	.00100	.00140	.00000	.83770	1.06770
.889	-2.280	-.15870	.03190	.07550	.03990	-.00310	.00090	.00130	.00000	.90060	1.06770
.889	-1.180	-.09020	.02710	.07600	.04100	-.00330	.00090	.00110	.00000	.82200	1.06770
.887	-.050	-.02220	.02300	.07700	.04190	-.00400	.00070	.00090	.00000	.87700	.99190
.893	1.090	.04050	.01900	.07660	.04320	-.00340	.00050	.00070	.00000	.84560	1.02980
.892	2.230	.10310	.01680	.07650	.04320	-.00380	.00050	.00040	.00000	.84560	1.04490
.891	3.410	.16440	.01630	.07620	.04220	-.00430	.00100	.00070	.00000	.90840	1.04490
.892	4.550	.22280	.01570	.07600	.04390	-.00510	.00070	.00100	.00000	.85340	1.00700
.893	5.710	.28030	.01350	.07470	.04210	-.00630	.00060	.00120	.00000	.80630	1.02980
.892	6.880	.34030	.01230	.07410	.04140	-.00670	.00030	.00120	.00000	.82990	.90090
.896	8.050	.39480	.01090	.07270	.04050	-.00560	.00030	.00070	.00000	.79060	.77190
.895	9.240	.44800	.01020	.07270	.04030	-.00370	.00070	.00080	.00000	.71210	.71130
.896	10.420	.50680	.00880	.07300	.03920	-.00360	.00060	.00070	.00000	.71990	.54440
.899	11.630	.56580	.00490	.07380	.03950	-.00280	.00020	.00090	.00000	.46080	.38520
.899	12.830	.62400	.00110	.07570	.03930	-.00240	-.00050	.00090	.00000	.25660	.24110
.902	14.060	.68000	-.00300	.07640	.03850	-.00250	-.00040	.00030	.00000	.06030	-.01670
.899	15.260	.74380	-.00540	.07730	.03720	-.00250	-.00020	.00060	.00000	-.07310	-.18350
.902	16.490	.80220	-.00630	.07660	.03520	-.00120	.00030	.00080	.00000	-.11240	-.24420
.899	17.700	.86540	-.00750	.07660	.03180	-.00360	.00020	.00120	.00000	-.17520	-.38070
.894	18.890	.92940	-.00560	.07750	.02930	-.00510	.00060	.00200	.00000	-.25370	-.38070
.892	20.010	.97040	-.00180	.07780	.02480	-.00490	.00000	.00200	.00000	-.27730	-.41860
.891	20.880	.99870	.00480	.07950	.02300	-.00490	-.00040	.00170	.00000	-.28510	-.47170
.890	21.260	1.01050	.00840	.07860	.02170	-.00550	-.00030	.00180	.00000	-.23020	-.45650

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 25

LA67 (LTV 552) ORBITER 49-0

(RFD507)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1065/ 0 RN/L = 6.50

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.186	.010	-.01240	.03140	.14780	.09240	-.00650	.00170	.00000	.01000	.93980	1.21180
1.181	.280	.00540	.02740	.14770	.09160	-.00670	.00160	.00010	.01000	.97120	1.21940
1.179	.550	.02370	.02410	.14800	.09200	-.00640	.00170	.00000	.01000	.93980	1.15870
1.186	.910	.04560	.01880	.14720	.09290	-.00690	.00150	.00000	.01000	.85340	1.06770
1.187	1.380	.07560	.01250	.14700	.09360	-.00700	.00140	.00000	.01000	.81420	.96150
1.183	1.930	.11010	.00660	.14700	.09340	-.00580	.00150	.00000	.01000	.83770	.87810
1.191	2.460	.14140	.00050	.14570	.09360	-.00620	.00150	.00000	.01000	.76710	.68850
1.189	3.030	.17590	-.00540	.14540	.09310	-.00650	.00150	.00000	.01000	.61000	.53680
1.190	3.600	.20960	-.01090	.14490	.09300	-.00630	.00150	.00010	.01000	.40580	.35480
1.193	4.170	.24010	-.01610	.14440	.09290	-.00710	.00140	.00000	.01000	.20160	.19560
1.199	4.740	.27120	-.02110	.14360	.09330	-.00700	.00150	.00000	.01000	.18590	.09700
1.196	5.330	.30550	-.02610	.14320	.09250	-.00660	.00150	-.00020	.01000	.06030	-.08490
1.190	5.900	.33830	-.03010	.14270	.09150	-.00600	.00150	-.00030	.01000	-.04950	-.18350
1.191	6.480	.36910	-.03450	.14130	.09090	-.00700	.00140	-.00030	.01000	-.15160	-.18350
1.193	7.090	.40130	-.03750	.14060	.08880	-.00600	.00140	-.00040	.01000	-.22230	-.32760
1.194	7.670	.43270	-.04000	.13930	.08730	-.00590	.00140	-.00040	.01000	-.20660	-.37310
1.191	8.270	.46560	-.04230	.13840	.08550	-.00590	.00120	-.00050	.01000	-.28510	-.52480
1.189	8.850	.49580	-.04400	.13690	.08310	-.00620	.00100	-.00070	.01000	-.42650	-.56270
1.188	9.460	.52860	-.04510	.13580	.08200	-.00450	.00070	-.00110	.00000	-.51290	-.69160
1.192	10.040	.55640	-.04640	.13370	.08040	-.00460	.00040	-.00140	.00000	-.58360	-.80540
1.188	10.660	.59280	-.04770	.13300	.07870	-.00320	.00010	-.00140	.00000	-.66990	-.90400
1.187	11.260	.62440	-.04920	.13210	.07710	-.00360	.00000	-.00120	.00000	-.73220	-.91160
1.187	11.880	.65900	-.05170	.13170	.07640	-.00260	.00000	-.00130	.00000	-.80340	-1.01020
1.192	12.470	.68980	-.05450	.13110	.07580	-.00350	.00000	-.00110	.00000	-.80340	-1.00260
1.191	13.090	.72570	-.05750	.13110	.07490	-.00330	-.00010	-.00100	.00000	-.80840	-1.08600
1.191	13.710	.76000	-.06050	.13140	.07420	-.00310	-.00030	-.00100	.00000	-.96050	-1.07840
1.196	14.340	.79270	-.06340	.13160	.07470	-.00120	-.00040	-.00110	.00000	-.99190	-1.16940
1.195	14.950	.82710	-.06580	.13220	.07410	-.00050	-.00060	-.00120	.00000	-1.04690	-1.19220
1.193	15.550	.86060	-.06820	.13220	.07260	-.00080	-.00060	-.00100	.00000	-1.03120	-1.21490
1.192	16.180	.89560	-.07020	.13250	.07190	-.00060	-.00040	-.00090	.00000	-1.10190	-1.21490
1.196	16.790	.92400	-.07300	.13250	.07210	-.00090	-.00030	-.00080	.00000	-1.13330	-1.22250
1.196	17.400	.95450	-.07410	.13220	.07110	-.00110	-.00040	-.00070	.00000	-1.11760	-1.22250
1.188	18.000	.98820	-.07490	.13240	.06860	-.00040	-.00050	-.00060	.00000	-1.07830	-1.26040
1.188	18.620	1.01520	-.07450	.13200	.06740	-.00050	-.00070	-.00050	.00000	-1.10970	-1.23010
1.194	19.210	1.03780	-.07490	.13190	.06770	-.00040	-.00070	-.00060	.00000	-1.05470	-1.28320
1.192	19.770	1.06400	-.07450	.13180	.06620	.00000	-.00080	-.00050	.00000	-1.10190	-1.23770
1.192	20.310	1.08770	-.07410	.13200	.06550	-.00040	-.00080	-.00050	.00000	-1.09400	-1.26040
1.184	20.820	1.11520	-.07320	.13270	.06380	.00010	-.00090	-.00040	.00000	-1.18040	-1.32110
1.191	21.160	1.12230	-.07210	.13250	.06460	-.00060	-.00090	-.00050	.00000	-1.13330	-1.26800
1.189	21.550	1.14020	-.07120	.13160	.06270	-.00090	-.00110	-.00050	.00000	-1.10190	-1.32110

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD008)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRBK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 62/ 0 RN/L = 5.13

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.602	-3.910	-.21650	.02730	.05540	.02460	-.00190	.00030	.00230	.00000	.53150	.33210
.602	-3.490	-.19980	.02710	.05610	.02520	-.00230	.00020	.00220	.00000	.53150	.33210
.604	-2.900	-.17070	.02610	.05800	.02750	-.00260	.00020	.00210	.00000	.55500	.36240
.607	-2.320	-.14440	.02580	.05950	.03060	-.00220	.00040	.00170	.00000	.54720	.34720
.604	-1.800	-.11940	.02640	.06070	.02980	-.00120	.00020	.00170	.00000	.50010	.30930
.606	-1.310	-.09910	.02650	.06100	.03070	-.00250	.00010	.00190	.00000	.50790	.36240
.606	-.800	-.07240	.02650	.06150	.03120	-.00170	.00000	.00170	.00000	.46080	.32450
.607	-.310	-.04970	.02560	.06150	.03130	-.00350	.00020	.00180	.00000	.53150	.34720
.614	.170	-.02560	.02500	.06080	.03280	-.00330	.00020	.00170	.00000	.53930	.35480
.613	.700	-.00330	.02500	.06100	.03310	-.00200	.00010	.00140	.00000	.49220	.34720
.616	1.180	.01880	.02480	.05990	.03330	-.00350	.00040	.00130	.00000	.53930	.33970
.608	1.700	.04290	.02660	.05860	.02980	-.00300	.00030	.00160	.00000	.50790	.32450
.608	2.200	.06490	.02690	.05850	.02890	-.00380	.00030	.00150	.00000	.50010	.37760
.614	2.700	.08860	.02600	.05680	.03010	-.00410	.00050	.00120	.00000	.50790	.33970
.607	3.210	.11510	.02720	.05560	.02680	-.00320	.00040	.00140	.00000	.51580	.33970
.606	3.720	.14270	.02680	.05410	.02590	-.00320	.00070	.00130	.00000	.51580	.29420
.607	4.230	.16710	.02650	.05220	.02500	-.00100	.00040	.00140	.00000	.51580	.28660
.606	4.720	.19100	.02600	.05040	.02330	-.00210	.00070	.00150	.00000	.57860	.32450
.608	5.210	.21180	.02400	.04780	.02080	-.00420	.00070	.00170	.00000	.53150	.35480
.608	5.730	.23520	.02330	.04580	.01950	-.00380	.00080	.00140	.00000	.49220	.35480
.604	6.250	.26940	.02310	.04300	.01530	-.00210	.00060	.00170	.00000	.56290	.27900
.609	6.740	.28850	.02130	.04030	.01490	-.00320	.00100	.00160	.00000	.59430	.28660
.611	7.220	.31010	.02140	.03710	.01160	-.00330	.00090	.00170	.00000	.52360	.33970
.604	7.750	.34720	.02160	.03380	.00640	-.00210	.00090	.00180	.00000	.49220	.27900
.605	8.230	.36690	.01990	.03060	.00320	-.00490	.00090	.00180	.00000	.56290	.32450
.609	8.730	.38990	.01910	.02710	.00220	-.00410	.00090	.00160	.00000	.50790	.30930
.609	9.250	.41960	.01940	.02400	-.00110	-.00240	.00090	.00140	.00000	.55500	.24110
.610	9.750	.44420	.01850	.02080	-.00420	-.00180	.00080	.00160	.00000	.59430	.27140
.608	10.240	.47020	.01820	.01760	-.00870	-.00420	.00080	.00150	.00000	.53930	.24860
.605	10.760	.50180	.01980	.01430	-.01280	-.00280	.00080	.00120	.00000	.50010	.22590
.611	11.250	.51810	.01960	.01080	-.01500	-.00480	.00090	.00120	.00000	.53930	.21930
.605	11.760	.55250	.02060	.00780	-.02020	-.00460	.00080	.00120	.00000	.50010	.27900
.607	12.270	.57710	.02130	.00550	-.02120	-.00360	.00070	.00060	.00000	.57860	.27900
.607	12.740	.60280	.01920	.00420	-.02350	-.00650	.00140	.00100	.00000	.49220	.25620
.609	13.260	.62950	.01830	.00650	-.02030	-.00740	.00280	.00250	.00000	.51580	.18800
.611	13.740	.65130	.01700	.00830	-.01890	-.00690	.00290	.00340	.00000	.49220	.18800
.604	14.250	.68820	.01620	.00900	-.02040	-.00710	.00260	.00360	.00000	.50010	.21070
.610	14.720	.70350	.01500	.00990	-.01810	-.00630	.00190	.00330	.00000	.46870	.17280
.609	15.210	.73020	.01230	.01050	-.01840	-.00690	.00100	.00280	.00000	.31160	.02110
.603	15.720	.77630	.01110	.01070	-.02050	-.00410	.00040	.00230	.00000	.30370	-.10770
.611	16.180	.78270	.00890	.01220	-.01700	-.00450	.00010	.00180	.00000	.32730	-.12290
.608	16.670	.81420	.00750	.01320	-.01750	-.00440	-.00010	.00130	.00000	.20950	-.14560

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD008)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 62/ 0 RN/L = 5.13

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.608	17.160	.84040	.00720	.01470	-.01680	-.00110	-.00020	.00000	-.01000	.24090	-.22140
.604	.640	.87740	.00560	.01440	-.01840	-.00080	-.00040	-.00040	-.01000	.19380	-.22900
.609	18.100	.88620	.00550	.01370	-.01870	-.00250	-.00030	.00000	-.01000	.20950	-.20630
.606	18.580	.92380	.00420	.01270	-.02160	-.00390	-.00030	.00140	-.01000	.20160	-.22140
.608	19.040	.95150	.00170	.01300	-.02060	-.00280	.00000	.00190	-.01000	.14670	-.24420
.609	19.470	.98170	-.00130	.01290	-.02100	-.00450	.00010	.00240	-.01000	.11530	-.22900
.601	19.800	1.02030	-.00510	.01280	-.02480	-.00720	.00030	.00350	.00000	.02890	-.28970

TABULATED SOURCE DATA, LTV TEST 552. LA67

PAGE 26

LA67 (LTV 552) ORBITER 49-0

(RFD509)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1062/ 0 RN/L = 5.11

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.598	-.050	-.03670	.02490	.06070	.03140	-.00260	.00010	.00110	.00000	.37440	.24860
.598	.180	-.02640	.02310	.06070	.03240	-.00350	.00010	.00100	.00000	.37440	.21070
.598	.430	-.01290	.02430	.05990	.03050	-.00280	.00020	.00110	.00000	.38230	.21070
.602	.790	.00330	.02320	.05910	.03130	-.00460	.00020	.00120	.00000	.36660	.22590
.605	1.240	.02230	.02390	.05940	.03210	-.00450	.00010	.00110	.00000	.41370	.24860
.600	1.760	.04630	.02460	.05820	.03030	-.00470	.00020	.00110	.00000	.43720	.22590
.600	2.310	.07650	.02550	.05730	.02970	-.00210	.00030	.00110	.00000	.43720	.27900
.604	2.840	.09810	.02540	.05520	.02820	-.00390	.00010	.00110	.00000	.39800	.24860
.603	3.420	.12760	.02520	.05440	.02840	-.00220	.00040	.00090	.00000	.42940	.24860
.603	3.970	.15590	.02560	.05250	.02590	-.00180	.00040	.00100	.00000	.38230	.25620
.601	4.520	.18380	.02500	.05040	.02260	-.00210	.00050	.00100	.00000	.36660	.23350
.605	5.070	.20700	.02370	.04730	.02070	-.00390	.00050	.00120	.00000	.29590	.22590
.604	5.630	.23750	.02400	.04500	.01770	-.00260	.00050	.00110	.00000	.31160	.24860
.607	6.210	.26440	.02160	.04250	.01770	-.00320	.00060	.00090	.00000	.32730	.19560
.608	6.780	.28960	.02150	.03930	.01460	-.00450	.00060	.00090	.00000	.28800	.18040
.605	7.360	.32430	.02160	.03580	.00950	-.00250	.00060	.00090	.00000	.27230	.21070
.605	7.920	.35530	.02000	.03200	.00480	-.00310	.00050	.00090	.00000	.24860	.21070
.604	8.490	.38470	.02000	.02810	.00090	-.00290	.00050	.00090	.00000	.12310	.17280
.610	9.080	.41040	.01620	.02440	.00000	-.00370	.00060	.00070	.00000	.10740	.11210
.610	9.650	.43760	.01870	.02030	-.00500	-.00390	.00060	.00090	.00000	.11530	.12730
.606	10.250	.47590	.01960	.01710	-.00940	-.00260	.00070	.00060	.00000	.08390	.09700
.609	10.820	.50170	.01950	.01300	-.01360	-.00400	.00060	.00080	.00000	.17020	.15010
.612	11.420	.52700	.02030	.01000	-.01540	-.00550	.00070	.00050	.00000	.17810	.11970
.611	12.000	.55890	.02050	.00730	-.01910	-.00620	.00080	.00050	.00000	.12310	.08180
.613	12.600	.58770	.01970	.00600	-.02020	-.00670	.00120	.00060	.00000	.12310	.06660
.612	13.190	.62160	.01790	.00660	-.02050	-.00710	.00180	.00110	.00000	.12310	-.03190
.609	13.790	.65780	.01730	.00800	-.02130	-.00740	.00220	.00220	.00000	.11530	-.08490
.611	14.400	.68760	.01530	.00990	-.01750	-.00570	.00190	.00240	.00000	.11530	-.13040
.612	14.990	.71540	.01340	.01080	-.01710	-.00610	.00110	.00200	.00000	.06030	-.21390
.607	15.580	.76010	.01150	.01110	-.02010	-.00490	.00040	.00180	.00000	.05240	-.21390
.611	16.170	.78480	.00910	.01240	-.01730	-.00360	.00000	.00110	.00000	.02100	-.25180
.605	16.750	.83360	.00720	.01300	-.02010	-.00220	-.00040	.00070	-.01000	.11530	-.20630
.604	17.340	.86830	.00620	.01390	-.02060	-.00190	-.00040	.00000	-.01000	.07600	-.21390
.604	17.910	.90030	.00530	.01440	-.02110	-.00090	-.00050	-.00030	-.01000	.08390	-.22900
.605	18.460	.93030	.00260	.01430	-.02070	-.00200	-.00040	.00010	-.01000	.04460	-.26690
.609	18.940	.94710	.00030	.01400	-.01990	-.00310	-.00010	.00140	-.01000	.06030	-.26690
.609	19.340	.97370	-.00200	.01370	-.02080	-.00500	.00000	.00230	.00000	.00530	-.31250
.609	19.650	.99580	-.00360	.01420	-.01990	-.00470	.00020	.00270	-.01000	-.00240	-.27450
.608	19.900	1.00620	-.00450	.01280	-.02200	-.00630	.00050	.00360	.00000	.02100	-.29730

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD009)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 63/ 0 RN/L = 6.08

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.897	-3.910	-.26440	.04360	.07400	.03880	-.00360	.00130	.00200	.00000	.90840	.77190
.897	-3.540	-.24010	.04240	.07420	.03870	-.00420	.00120	.00190	.00000	.85340	.75680
.895	-2.950	-.20490	.03880	.07560	.04040	-.00370	.00130	.00210	.00000	.85340	.71880
.897	-2.340	-.16820	.03500	.07580	.04140	-.00390	.00130	.00180	.00000	.84560	.77190
.896	-1.800	-.13270	.03360	.07640	.04190	-.00390	.00120	.00170	.00000	.86130	.72640
.893	-1.300	-.10420	.03110	.07700	.04230	-.00320	.00110	.00180	.00000	.86130	.77190
.895	-.760	-.07220	.02940	.07670	.04250	-.00360	.00120	.00160	.00000	.82200	.77190
.896	-.250	-.04130	.02680	.07770	.04410	-.00350	.00100	.00150	.00000	.87700	.76430
.897	.270	-.00990	.02510	.07830	.04460	-.00340	.00080	.00150	.00000	.84560	.71130
.897	.790	.01940	.02300	.07760	.04330	-.00370	.00100	.00120	.00000	.86910	.74160
.897	1.310	.04840	.02200	.07690	.04340	-.00350	.00080	.00100	.00000	.89270	.76430
.892	1.820	.07890	.02050	.07720	.04310	-.00370	.00070	.00080	.00000	.90840	.71880
.895	2.340	.10510	.02050	.07670	.04290	-.00360	.00090	.00090	.00000	.95550	.77950
.898	2.880	.13360	.02040	.07690	.04430	-.00390	.00050	.00130	.00000	.94770	.85540
.894	3.380	.16040	.01940	.07700	.04400	-.00430	.00070	.00130	.00000	.87700	.89330
.897	3.910	.18450	.01920	.07560	.04350	-.00400	.00060	.00130	.00000	.90840	.91600
.893	4.430	.21040	.01870	.07570	.04320	-.00510	.00070	.00130	.00000	.94770	.95390
.894	4.940	.23650	.01810	.07520	.04300	-.00400	.00080	.00170	.00000	.88490	.93880
.897	5.470	.26210	.01680	.07450	.04350	-.00580	.00070	.00190	.00000	.89270	.86910
.892	5.970	.28760	.01630	.07420	.04190	-.00580	.00090	.00200	.00000	.93980	.94640
.892	6.490	.31380	.01630	.07350	.04190	-.00620	.00070	.00170	.00000	.89270	.86570
.893	7.020	.33810	.01540	.07280	.04140	-.00580	.00050	.00130	.00000	.93980	.93680
.893	7.510	.36240	.01460	.07190	.04040	-.00510	.00050	.00100	.00000	.88490	.93120
.891	8.030	.38920	.01350	.07210	.03990	-.00480	.00050	.00080	.00000	.97910	.87810
.897	8.540	.40840	.01340	.07120	.04030	-.00400	.00030	.00070	.00000	.91630	.87050
.893	9.050	.43250	.01320	.07170	.03940	-.00420	.00040	.00070	.00000	.92410	.89330
.896	9.580	.45540	.01290	.07130	.03990	-.00500	.00040	.00060	.00000	.90060	.93120
.893	10.080	.48260	.01310	.07090	.03840	-.00360	.00040	.00080	.00000	.94770	.84020
.896	10.610	.50430	.01180	.07050	.03910	-.00440	.00040	.00080	.00000	.85340	.86290
.890	11.110	.53590	.01030	.07070	.03660	-.00390	.00030	.00130	.00000	.92410	.78710
.896	11.630	.55620	.00890	.07010	.03780	-.00390	.00010	.00130	.00000	.79850	.74160
.894	12.140	.58080	.00730	.07080	.03740	-.00370	.00000	.00120	.00000	.77490	.75680
.892	12.650	.60510	.00590	.07090	.03710	-.00310	.00010	.00140	.00000	.75920	.71130
.891	13.150	.63040	.00280	.07160	.03720	-.00300	.00010	.00130	.00000	.61790	.59750
.892	13.650	.65450	.00020	.07250	.03720	-.00380	.00030	.00130	.00000	.41370	.57480
.890	14.160	.68400	-.00090	.07370	.03660	-.00320	.00040	.00170	.00000	.33510	.43820
.897	14.650	.70140	-.00200	.07370	.03730	-.00400	.00020	.00140	.00000	.27230	.37760
.891	15.160	.73250	-.00280	.07410	.03620	-.00260	.00000	.00110	.00000	.20160	.24860
.892	15.660	.75690	-.00340	.07410	.03550	-.00320	-.00010	.00110	.00000	.13880	.19560
.890	16.150	.78610	-.00540	.07420	.03450	-.00220	-.00010	.00090	.00000	.12310	-.00150
.889	16.640	.81350	-.00610	.07440	.03410	-.00340	-.00010	.00110	.00000	.02890	-.10010
.893	17.140	.83380	-.00700	.07390	.03330	-.00330	.00000	.00160	.00000	.02890	-.16080

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD009)

PARAMETRIC DATA

ELEVON =	.000	ATLRON =	.000
SPDBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 53/ 0 RN/L = 6.08

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.890	17.640	.86580	-.00730	.07500	.03200	-.00540	.00020	.00220	.00000	.02890	-.17590
.891	18.120	.88880	-.00760	.07480	.03070	-.00560	.00050	.00250	.00000	-.01030	-.22900
.892	18.620	.91110	-.00550	.07540	.03040	-.00640	.00010	.00250	.00000	-.05740	-.30490
.891	19.080	.93260	-.00390	.07600	.02870	-.00630	.00020	.00260	.00000	-.05740	-.36550
.893	19.490	.94370	-.00180	.07580	.02790	-.00460	.00010	.00270	.00000	-.13590	-.41860
.895	19.790	.95430	-.00060	.07630	.02790	-.00460	-.00020	.00280	.00000	-.22230	-.43380

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 31

LA67 (LTV 552) ORBITER 49-0

(RFD009)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 64/ 0 RN/L = 6.48

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.188	.000	.01770	.03290	.14790	.09220	-.00660	.00180	.00110	.01000	1.19110	.63540
1.188	.330	.00200	.02890	.14780	.09230	-.00640	.00180	.00120	.01000	1.18330	.66580
1.186	.930	.04060	.02130	.14780	.09240	-.00550	.00170	.00110	.01000	1.19110	.58990
1.187	1.540	.08040	.01330	.14750	.09280	-.00580	.00160	.00100	.01000	1.19110	.62030
1.189	2.090	.11490	.00620	.14710	.09310	-.00610	.00150	.00090	.01000	1.15970	.62030
1.186	2.610	.14750	.00010	.14690	.09290	-.00560	.00150	.00080	.01000	1.14400	.55960
1.188	3.120	.17800	-.00550	.14620	.09330	-.00580	.00150	.00080	.01000	1.22250	.58990
1.189	3.640	.20690	-.01060	.14620	.09400	-.00610	.00150	.00070	.01000	1.22250	.55200
1.185	4.170	.23770	-.01660	.14600	.09280	-.00530	.00150	.00060	.00000	1.15190	.52170
1.185	4.690	.27000	-.02180	.14520	.09220	-.00560	.00130	.00060	.01000	1.13610	.55960
1.185	5.210	.29940	-.02670	.14470	.09180	-.00550	.00120	.00050	.00000	1.14400	.50650
1.181	5.730	.33040	-.03160	.14410	.09070	-.00540	.00110	.00050	.00000	1.12830	.50650
1.186	6.250	.35970	-.03620	.14310	.09090	-.00610	.00110	.00040	.01000	1.13610	.50650
1.188	6.770	.38740	-.03970	.14230	.08990	-.00640	.00120	.00050	.01000	1.09690	.46100
1.187	7.300	.41610	-.04320	.14210	.08910	-.00610	.00130	.00050	.01000	1.01840	.49130
1.188	7.810	.44400	-.04550	.14040	.08710	-.00620	.00130	.00060	.01000	.95550	.42310
1.191	8.340	.47150	-.04640	.13920	.08640	-.00550	.00110	.00050	.01000	.79060	.28660
1.187	8.870	.50020	-.04780	.13970	.08490	-.00650	.00110	.00020	.01000	.56290	.13490
1.185	9.380	.52660	-.04830	.13690	.08260	-.00440	.00060	-.00060	.00000	.44510	.06660
1.186	9.900	.55110	-.04740	.13530	.08110	-.00440	.00020	-.00070	.00000	.28800	-.15320
1.188	10.430	.57780	-.04780	.13380	.08030	-.00380	.00010	-.00040	.00000	.32730	-.27450
1.184	10.970	.60630	-.05020	.13390	.07920	-.00290	.00010	-.00040	.00000	.16240	-.48690
1.186	11.500	.63530	-.05070	.13330	.07860	-.00310	.00000	-.00050	.00000	.09170	-.66130
1.184	12.020	.66340	-.05220	.13300	.07780	-.00300	.00000	-.00030	.00000	.03670	-.79020
1.180	12.520	.69240	-.05380	.13260	.07610	-.00250	.00020	.00000	.00000	.02830	-.88120
1.181	13.040	.72230	-.05650	.13270	.07590	-.00250	.00030	.00000	.00000	-.00240	-.98740
1.183	13.570	.75430	-.05900	.13300	.07550	-.00280	.00030	.00000	.00000	-.13690	-1.05570
1.187	14.090	.77910	-.06110	.13290	.07570	-.00260	.00000	.00000	.00000	-.22230	-1.07080
1.188	14.590	.80460	-.06260	.13300	.07510	-.00210	-.00030	-.00010	.00000	-.27730	-1.12390
1.187	15.110	.83370	-.06470	.13370	.07460	-.00150	-.00050	-.00030	.00000	-.34010	-1.17700
1.188	15.620	.86070	-.06710	.13380	.07400	-.00150	-.00050	-.00030	.00000	-.40290	-1.29930
1.189	16.140	.89120	-.06970	.13390	.07330	-.00190	-.00050	.00000	.00000	-.46580	-1.31350
1.186	16.650	.91930	-.07150	.13380	.07200	-.00180	-.00030	.00000	.00000	-.55210	-1.44240
1.186	17.160	.94470	-.07230	.13340	.07190	-.00210	-.00050	.00000	.00000	-.66990	-1.46520
1.185	17.660	.96840	-.07300	.13300	.07070	-.00160	-.00070	.00000	.00000	-.74850	-1.50310
1.187	18.170	.99140	-.07310	.13330	.07040	-.00160	-.00070	.00000	.00000	-.68560	-1.55620
1.187	18.660	1.01390	-.07320	.13280	.06900	-.00110	-.00070	.00010	.00000	-.76420	-1.60930
1.188	19.160	1.03630	-.07320	.13200	.06770	-.00100	-.00070	.00020	.00000	-.85060	-1.59410
1.188	19.650	1.05930	-.07330	.13190	.06720	-.00050	-.00090	.00030	.00000	-.89580	-1.70030
1.169	20.130	1.07900	-.07300	.13220	.06630	-.00110	-.00100	.00030	.00000	-.89980	-1.68510
1.184	20.600	1.10210	-.07250	.13260	.06440	-.00030	.00100	.00020	.00000	-.97620	-1.78370
1.183	21.070	1.12260	-.07170	.13310	.06390	-.00010	-.00090	.00000	.00000	-1.07040	-1.82160

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD009)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 64/ 0 RN/L = 6.48

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.184	21.430	1.13680	-.07010	.13310	.06370	-.00050	-.00110	.00000	.00000	-1.10970	-1.81400

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 33

LA67 (LTV 552) ORBITER 49-0

(RFD509)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSNP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1063/ D RN/L = 6.07

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.893	-4.030	-.26860	.04180	.07270	.03730	-.00360	.00110	.00180	.00000	.86130	.90840
.894	-3.800	-.24960	.03910	.07240	.03780	-.00350	.00090	.00160	.00000	.85340	.91600
.889	-3.530	-.23570	.03790	.07360	.03740	-.00330	.00100	.00170	.00000	.87700	.93880
.890	-3.160	-.21340	.03580	.07400	.03800	-.00370	.00090	.00180	.00000	.86130	.91600
.894	-2.700	-.18330	.03350	.07390	.03950	-.00400	.00100	.00160	.00000	.82200	.93880
.893	-2.170	-.15110	.03180	.07500	.04020	-.00430	.00090	.00150	.00000	.82990	.95390
.893	-1.620	-.11780	.02880	.07580	.04080	-.00410	.00080	.00140	.00000	.84560	.93120
.895	-1.070	-.08490	.02670	.07610	.04210	-.00430	.00060	.00130	.00000	.86130	.91600
.896	-.510	-.05250	.02460	.07640	.04260	-.00390	.00050	.00110	.00000	.87700	.94640
.895	.070	-.01810	.02310	.07690	.04310	-.00390	.00070	.00120	.00000	.81420	.95390
.893	.630	.01370	.02080	.07740	.04270	-.00340	.00050	.00110	.00000	.79850	.90090
.894	1.200	.04720	.01970	.07710	.04310	-.00360	.00060	.00110	.00000	.81420	.92360
.897	1.760	.07930	.01810	.07630	.04390	-.00390	.00050	.00070	.00000	.81420	.96150
.892	2.350	.10950	.01760	.07680	.04280	-.00410	.00040	.00070	.00000	.81420	.90090
.897	2.920	.13960	.01790	.07570	.04380	-.00450	.00050	.00080	.00000	.83770	.91600
.894	3.520	.16800	.01760	.07580	.04300	-.00410	.00060	.00120	.00000	.82990	.90090
.897	4.080	.19660	.01670	.07490	.04350	-.00460	.00060	.00130	.00000	.79850	.90090
.895	4.660	.22470	.01590	.07490	.04250	-.00500	.00050	.00140	.00000	.80630	.89330
.894	5.250	.25470	.01480	.07470	.04220	-.00500	.00060	.00170	.00000	.82200	.89330
.896	5.830	.28280	.01440	.07380	.04200	-.00570	.00040	.00180	.00000	.77490	.90090
.897	6.430	.31270	.01330	.07340	.04170	-.00590	.00040	.00170	.00000	.85340	.87810
.897	7.010	.34110	.01230	.07320	.04160	-.00590	.00030	.00140	.00000	.80630	.80230
.901	7.600	.36910	.01220	.07290	.04190	-.00560	.00050	.00120	.00000	.74350	.71880
.898	8.170	.39780	.01120	.07320	.04120	-.00540	.00020	.00100	.00000	.73560	.69610
.899	8.770	.42510	.01190	.07270	.04080	-.00540	.00020	.00080	.00000	.71210	.63540
.900	9.370	.45110	.01140	.07260	.04030	-.00510	.00010	.00080	.00000	.73560	.67330
.899	9.950	.48120	.01040	.07270	.04000	-.00460	.00010	.00090	.00000	.65710	.61270
.904	10.570	.50900	.01020	.07270	.04050	-.00400	.00030	.00120	.00000	.57860	.57480
.903	11.170	.53940	.00910	.07290	.03990	-.00410	.00020	.00110	.00000	.51580	.49130
.903	11.780	.56820	.00770	.07320	.03940	-.00370	.00010	.00120	.00000	.38230	.37760
.901	12.360	.59800	.00600	.07390	.03890	-.00360	-.00010	.00100	.00000	.22520	.27140
.905	12.980	.62220	.00320	.07430	.03940	-.00300	-.00050	.00080	.00000	.13880	.16520
.900	13.570	.65680	.00150	.07550	.03860	-.00320	-.00020	.00100	.00000	.09960	.02110
.903	14.180	.68260	-.00060	.07570	.03840	-.00370	-.00030	.00090	.00000	.06810	-.03940
.900	14.790	.71900	-.00220	.07700	.03850	-.00360	-.00020	.00100	.00000	-.01030	-.14560
.902	15.410	.74950	-.00400	.07700	.03770	-.00340	-.00040	.00100	.00000	.02890	-.23660
.903	16.010	.77760	-.00440	.07550	.03620	-.00340	-.00010	.00120	.00000	-.03380	-.32760
.900	16.610	.81260	-.00610	.07740	.03560	-.00350	-.00010	.00140	.00000	-.05740	-.35800
.901	17.200	.84060	-.00610	.07660	.03390	-.00440	.00010	.00190	.00000	-.15950	-.43380
.898	17.780	.87360	-.00610	.07720	.03270	-.00470	.00040	.00200	.00000	-.18300	-.40350
.896	18.330	.90040	-.00670	.07740	.03170	-.00520	.00030	.00230	.00000	-.19090	-.47930
.898	18.840	.91810	-.00580	.07720	.03070	-.00550	.00030	.00270	.00000	-.14380	-.47930

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 34

LA67 (LTV 552) ORBITER 49-0

(RFD509)

PARAMETRIC DATA

ELEVON =	.000	ATLRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSNP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1063/ 0 RN/L = 6.07

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.893	19.240	.93850	-.00340	.07790	.02950	-.00480	.00030	.00260	.00000	-.23800	-.50960
.892	19.550	.95140	-.00220	.07810	.02870	-.00470	.00000	.00260	.00000	-.19870	-.50200
.895	19.830	.95650	-.00070	.07620	.02730	-.00420	.00000	.00270	.00000	-.16730	-.51720

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 35

LA67 (LTV 552) ORBITER 49-0

(RF0509)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPQS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1064/ 0 RN/L = 6.48

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.188	.060	-.01270	.03300	.14850	.09330	-.00630	.00170	.00090	.01000	.99480	.52930
1.189	.360	.00950	.02760	.14780	.09290	-.00570	.00170	.00090	.01000	1.01050	.51410
1.186	.670	.02770	.02350	.14830	.09330	-.00590	.00180	.00080	.01000	.90840	.52170
1.187	1.070	.05300	.01860	.14820	.09410	-.00610	.00180	.00070	.01000	.86130	.48860
1.188	1.560	.08340	.01310	.14760	.09430	-.00610	.00160	.00070	.01000	.84560	.37760
1.189	2.090	.11730	.00640	.14670	.09410	-.00570	.00160	.00060	.01000	.75140	.25620
1.188	2.660	.15080	.00090	.14670	.09460	-.00620	.00160	.00050	.01000	.65710	.15010
1.187	3.220	.18410	-.00480	.14590	.09370	-.00580	.00150	.00050	.01000	.56290	-.03940
1.190	3.800	.21720	-.01040	.14560	.09420	-.00600	.00150	.00040	.01000	.39230	-.30490
1.191	4.370	.24850	-.01570	.14510	.09370	-.00640	.00150	.00030	.01000	.24880	-.42620
1.194	4.940	.28060	-.02060	.14400	.09300	-.00620	.00140	.00030	.01000	.19380	-.58550
1.188	5.520	.31450	-.02610	.14370	.09120	-.00580	.00150	.00020	.01000	.05240	-.71440
1.190	6.090	.34600	-.03070	.14260	.09000	-.00600	.00140	.00020	.01000	.00530	-.79020
1.189	6.680	.37830	-.03460	.14190	.08890	-.00590	.00140	.00000	.01000	-.12810	-.83570
1.192	7.280	.40960	-.03690	.14080	.08830	-.00660	.00130	.00000	.01000	-.16730	-.88120
1.192	7.850	.44040	-.03980	.13910	.08600	-.00620	.00130	.00010	.01000	-.19880	-.96470
1.193	8.460	.47280	-.04130	.13810	.08530	-.00660	.00120	.00000	.01000	-.31660	-1.03290
1.193	9.060	.50430	-.04280	.13680	.08380	-.00620	.00100	-.00030	.01000	-.38720	-1.06320
1.192	9.660	.53570	-.04330	.13540	.08190	-.00550	.00070	-.00060	.00000	-.53640	-1.17700
1.191	10.270	.56650	-.04440	.13410	.08130	-.00470	.00040	-.00100	.00000	-.62280	-1.25280
1.189	10.870	.59980	-.04630	.13320	.07890	-.00400	.00030	-.00080	.00000	-.69350	-1.32110
1.190	11.470	.63380	-.04840	.13210	.07700	-.00350	.00020	-.00060	.00000	-.74060	-1.45760
1.189	12.090	.66720	-.05090	.13200	.07660	-.00320	.00020	-.00070	.00000	-.81920	-1.47280
1.188	12.690	.70330	-.05320	.13170	.07520	-.00280	.00020	-.00050	.00000	-.85060	-1.58650
1.189	13.310	.73680	-.05590	.13210	.07500	-.00280	.00020	-.00050	.00000	-.89770	-1.57890
1.194	13.930	.77030	-.05850	.13200	.07500	-.00260	.00000	-.00040	.00000	-.96050	-1.66240
1.193	14.530	.80350	-.06220	.13200	.07330	-.00160	-.00020	-.00050	.00000	-.97620	-1.65480
1.198	15.140	.83480	-.06450	.13240	.07400	-.00220	-.00030	-.00070	.00000	-.99190	-1.72300
1.195	15.760	.85860	-.06770	.13260	.07210	-.00130	-.00040	-.00050	.00000	-1.04690	-1.73820
1.195	16.370	.97130	-.07050	.13270	.07140	-.00150	-.00030	-.00040	.00000	-1.08610	-1.73820
1.193	16.990	.93460	-.07240	.13290	.07080	-.00110	-.00030	-.00030	.00000	-1.10970	-1.75340
1.194	17.600	.96500	-.07330	.13230	.06950	-.00150	-.00050	-.00010	.00000	-1.12540	-1.82920
1.196	18.200	.99020	-.07360	.13180	.06880	-.00090	-.00060	.00000	.00000	-1.07040	-1.80650
1.193	18.810	1.02000	-.07340	.13210	.06750	-.00070	-.00070	.00010	.00000	-1.07040	-1.78370
1.190	19.420	1.05080	-.07360	.13300	.06710	-.00080	-.00070	.00010	.00000	-1.11760	-1.81400
1.189	19.990	1.07680	-.07280	.13290	.06590	-.00060	-.00070	.00020	.00000	-1.16470	-1.86710
1.190	20.500	1.09920	-.07260	.13300	.06550	-.00030	-.00080	.00020	.00000	-1.13330	-1.87470
1.189	20.940	1.11620	-.07080	.13300	.06480	-.00040	-.00090	.00020	.00000	-1.12540	-1.89750
1.185	21.260	1.13010	-.07070	.13290	.06340	-.00050	-.00090	.00020	.00000	-1.18040	-1.85200
1.185	21.570	1.14110	-.06940	.13240	.06270	-.00010	-.00110	.00010	.00000	-1.11760	-1.85200

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD010)

PARAMETRIC DATA

ELEVON =	.000	ATLRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 42/ 0 RN/L = 5.09

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.602	-3.740	-.21510	.02950	.05500	.02550	.03530	-.00320	.00140	-2.03000	-.07310	.36240
.603	-2.860	-.17500	.02940	.05780	.02860	.03510	-.00340	.00150	-2.03000	-.03380	.35480
.605	-2.040	-.13780	.02890	.05930	.03070	.03470	-.00310	.00170	-2.03000	-.09670	.34720
.605	-1.300	-.10070	.03000	.06070	.03230	.03460	-.00280	.00210	-2.03000	-.03380	.32450
.606	-.550	-.06690	.02860	.06070	.03300	.03430	-.00300	.00190	-2.03000	-.08880	.31690
.606	.220	-.02870	.02900	.06060	.03330	.03380	-.00250	.00230	-2.03000	-.09670	.35460
.605	.980	.00440	.02960	.06090	.03270	.03360	-.00230	.00240	-2.03000	-.08100	.33210
.605	1.750	.04220	.02840	.05960	.03160	.03350	-.00260	.00260	-2.03000	-.08890	.33970
.605	2.500	.07930	.02750	.05820	.03040	.03320	-.00260	.00270	-2.03000	-.08100	.33970
.604	3.250	.11220	.02620	.05570	.02870	.03280	-.00310	.00240	-2.03000	-.03380	.27900
.603	4.030	.15150	.02670	.05360	.02620	.03270	-.00270	.00270	-2.03000	-.06530	.33210
.603	4.790	.18800	.02470	.05040	.02310	.03270	-.00270	.00290	-2.03000	-.08100	.27900
.603	5.550	.22690	.02380	.04650	.02010	.03320	-.00270	.00310	-2.03000	-.01030	.30170
.601	6.330	.26580	.02330	.04300	.01580	.03290	-.00270	.00330	-2.03000	-.09670	.31690
.601	7.080	.30230	.02200	.03800	.01210	.03230	-.00300	.00300	-2.03000	-.07310	.30170
.602	7.840	.34140	.02120	.03350	.00770	.03260	-.00270	.00330	-2.04000	-.02600	.28560
.602	8.610	.38150	.01970	.02830	.00240	.03190	-.00290	.00340	-2.04000	-.05740	.21070
.602	9.360	.41970	.02040	.02360	-.00210	.03140	-.00270	.00380	-2.04000	-.05740	.27140
.603	10.130	.45720	.01990	.01860	-.00720	.03170	-.00290	.00440	-2.04000	-.01810	.20310
.604	10.890	.49970	.02700	.01320	-.01260	.03070	-.00270	.00490	-2.04000	-.01030	.24110
.604	11.640	.54130	.02300	.00860	-.01730	.03070	-.00260	.00490	-2.04000	-.01030	.24860
.605	12.420	.58370	.02160	.00540	-.02080	.03060	-.00240	.00460	-2.04000	-.06530	.16520
.603	13.170	.62720	.02030	.00510	-.02110	.02740	-.00080	.00510	-2.04000	-.08100	.18040
.603	13.940	.66630	.01900	.00530	-.02120	.02750	-.00090	.00570	-2.04000	-.01810	.18800
.600	14.670	.70370	.01760	.00640	-.02190	.02900	-.00180	.00520	-2.04000	-.05740	.15010
.600	15.420	.74120	.01430	.00750	-.02050	.03140	-.00280	.00460	-2.04000	-.03380	.09700
.600	16.170	.79010	.01060	.01010	-.01890	.03270	-.00300	.00450	-2.04000	-.11240	.06660
.600	16.910	.83300	.00740	.01140	-.01850	.03300	-.00340	.00430	-2.04000	-.12810	.06660
.601	17.660	.87000	.00430	.01310	-.01850	.03390	-.00400	.00400	-2.04000	-.08100	-.00910
.601	18.380	.90850	.00580	.01370	-.01890	.03540	-.00440	.00350	-2.04000	-.19090	-.04700
.599	19.090	.94160	.00410	.01620	-.01900	.03560	-.00420	.00580	-2.04000	-.37150	-.19110
.600	19.800	.98900	.00070	.01510	-.02020	.03480	-.00410	.00680	-2.04000	-.43440	-.30490
.600	20.450	1.03270	-.00270	.01420	-.02210	.03510	-.00430	.00750	-2.05000	-.51290	-.35800
.601	20.830	1.05800	-.00420	.01370	-.02360	.03550	-.00440	.00750	-2.05000	-.48930	-.38070

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD010)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	-2.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 49/ 0 RN/L = 5.29

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.803	-.020	-.05000	.03590	.06580	.03620	.03600	-.00460	.00110	-2.04000	-.55210	.46860
.796	.310	-.03040	.03550	.06640	.03520	.03840	-.00420	.00140	-2.04000	-.56000	.48370
.800	.900	-.00170	.03510	.06560	.03530	.03660	-.00420	.00150	-2.04000	-.48930	.44580
.802	1.530	.02930	.03350	.06480	.03500	.03530	-.00420	.00150	-2.04000	-.55210	.45340
.798	2.110	.05620	.03390	.06460	.03450	.03740	-.00410	.00160	-2.04000	-.51290	.47620
.798	2.620	.06540	.03330	.06320	.03210	.03780	-.00410	.00200	-2.04000	-.49720	.50650
.804	3.150	.11390	.03190	.06190	.03280	.03610	-.00390	.00180	-2.04000	-.48150	.45340
.806	3.670	.14480	.03120	.06000	.03100	.03680	-.00410	.00220	-2.04000	-.50500	.52930
.806	4.200	.17010	.02920	.05840	.02900	.03740	-.00400	.00220	-2.05000	-.50500	.52170
.802	4.760	.20250	.03010	.05730	.02800	.03690	-.00420	.00220	-2.04000	-.48930	.52930
.808	5.280	.22620	.02590	.05470	.02690	.03760	-.00410	.00230	-2.05000	-.48150	.44580
.804	5.820	.25760	.02430	.05400	.02530	.03770	-.00440	.00230	-2.05000	-.51290	.49890
.800	6.340	.29300	.02280	.05230	.02210	.03770	-.00470	.00190	-2.05000	-.44220	.52170
.799	6.870	.32080	.02090	.05160	.02120	.03810	-.00480	.00160	-2.05000	-.50500	.52170
.805	7.410	.34800	.01950	.04950	.02120	.03730	-.00450	.00170	-2.05000	-.51290	.46860
.800	7.910	.37090	.01790	.04820	.01930	.03750	-.00470	.00160	-2.05000	-.44220	.45340
.800	8.450	.39490	.01790	.04870	.01940	.03790	-.00440	.00160	-2.05000	-.42650	.46860
.802	8.980	.42280	.01740	.04760	.01870	.03730	-.00450	.00110	-2.05000	-.44220	.41550
.803	9.520	.44500	.01770	.04700	.01770	.03660	-.00460	.00100	-2.05000	-.50500	.43070
.803	10.050	.47210	.01840	.04720	.01780	.03630	-.00450	.00080	-2.05000	-.44220	.38520
.802	10.560	.49370	.02020	.04760	.01900	.03690	-.00440	.00100	-2.05000	-.51290	.43070
.800	11.080	.51530	.01930	.04850	.01810	.03690	-.00400	.00220	-2.05000	-.45790	.42310
.800	11.630	.54660	.02040	.04840	.01690	.03530	-.00400	.00280	-2.05000	-.52070	.31690
.800	12.130	.56930	.01930	.04830	.01850	.03560	-.00340	.00320	-2.05000	-.52860	.34720
.799	12.680	.59710	.01980	.04910	.01700	.03530	-.00360	.00280	-2.05000	-.59140	.26380
.799	13.200	.62470	.01750	.04980	.01710	.03530	-.00350	.00250	-2.05000	-.50500	.21070
.799	13.710	.65210	.01400	.05050	.01670	.03560	-.00330	.00230	-2.05000	-.58360	.24110
.800	14.240	.68520	.00890	.05150	.01770	.03680	-.00320	.00230	-2.05000	-.59140	.19560
.795	14.740	.72300	.00370	.05330	.01710	.03710	-.00320	.00190	-2.05000	-.51290	.10460
.800	15.280	.74810	-.00020	.05360	.01810	.03790	-.00310	.00160	-2.05000	-.63850	.11970
.795	15.780	.78990	-.00290	.05530	.01890	.03730	-.00310	.00130	-2.05000	-.66210	.08940
.794	16.290	.81470	-.00410	.05580	.01780	.03710	-.00270	.00100	-2.05000	-.76420	.04390
.794	16.800	.83770	-.00440	.05540	.01630	.03720	-.00230	.00110	-2.05000	-.79560	-.00150
.798	17.330	.85890	-.00590	.05490	.01610	.03650	-.00220	.00140	-2.05000	-.84270	-.07740
.798	17.840	.87970	-.00460	.05560	.01540	.03660	-.00200	.00170	-2.05000	-.92120	-.15320
.797	18.340	.91160	-.00480	.05650	.01580	.03620	-.00180	.00220	-2.05000	-1.03120	-.21390
.794	18.830	.94270	-.00410	.05610	.01390	.03560	-.00130	.00320	-2.05000	-1.07830	-.29730
.797	19.310	.95770	-.00370	.05570	.01390	.03440	-.00130	.00340	-2.05000	-1.13330	-.36550
.795	19.790	.98320	-.00150	.05610	.01210	.03430	-.00100	.00360	-2.05000	-1.14900	-.40350
.797	20.200	.99140	.00150	.05610	.01220	.03330	-.00070	.00360	-2.05000	-1.14110	-.39590
.797	20.430	1.00070	.00190	.05690	.01130	.03300	-.00080	.00380	-2.05000	-1.07930	-.44140

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD011)

PARAMETRIC DATA

ELEVON *	.000	AILRON *	.000
SPOBRK *	25.000	RN/L *	6.000
GRITNO *	120.000	RCSPOS *	.000
BETA *	-2.000	ALFSWP *	1.000
BOFLAP *	.000	RUDDER *	.000

RUN NO. 50/ C RN/L = 6.05

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CSL	BETA	ELVN-L	ELVN-R
.890	.010	.03650	.03040	.07860	.04280	.04260	-.00630	.00140	-2.06000	-.34010	.65920
.892	.340	.01820	.02860	.07810	.04360	.04280	-.00610	.00170	-2.06000	-.34010	.60510
.891	.940	.02000	.02740	.07730	.04240	.04200	-.00610	.00170	-2.06000	-.27730	.63540
.894	1.590	.05820	.02420	.07690	.04390	.04200	-.00620	.00200	-2.06000	-.34010	.65060
.895	2.150	.09200	.02180	.07640	.04310	.04240	-.00610	.00220	-2.06000	-.30080	.65060
.894	2.700	.12380	.01840	.07740	.04410	.04280	-.00640	.00220	-2.06000	-.35580	.63540
.891	3.210	.15270	.01720	.07730	.04280	.04340	-.00630	.00230	-2.06000	-.27730	.65920
.895	3.760	.18440	.01690	.07640	.04320	.04330	-.00620	.00180	-2.06000	-.31660	.63540
.892	4.290	.21110	.01770	.07600	.04210	.04260	-.00600	.00190	-2.06000	-.30870	.65060
.890	4.820	.23590	.01670	.07510	.04140	.04130	-.00570	.00260	-2.06000	-.27730	.67330
.891	5.380	.26100	.01940	.07430	.04150	.04080	-.00530	.00280	-2.06000	-.32440	.67330
.892	5.900	.28710	.01940	.07450	.04150	.04050	-.00520	.00280	-2.06000	-.28510	.67330
.895	6.450	.31360	.01810	.07420	.04180	.04030	-.00510	.00270	-2.06000	-.24590	.64300
.893	6.980	.33710	.01650	.07410	.04140	.04010	-.00540	.00230	-2.06000	-.26940	.68090
.892	7.520	.36350	.01710	.07310	.04000	.04030	-.00560	.00180	-2.06000	-.33230	.68850
.894	8.060	.38880	.01620	.07270	.04030	.04040	-.00540	.00190	-2.06000	-.31660	.63540
.895	8.590	.41360	.01620	.07200	.03980	.04000	-.00550	.00180	-2.06000	-.36370	.62030
.894	9.110	.43340	.01700	.07230	.04000	.04050	-.00530	.00230	-2.06000	-.26160	.63540
.894	9.640	.45490	.01680	.07170	.03920	.04010	-.00500	.00280	-2.06000	-.27730	.67330
.891	10.180	.48490	.01700	.07150	.03800	.03900	-.00480	.00310	-2.06000	-.30870	.60510
.892	10.710	.50500	.01500	.07210	.03810	.03880	-.00460	.00380	-2.06000	-.26940	.62030
.892	11.260	.53250	.01450	.07220	.03850	.03920	-.00440	.00380	-2.06000	-.32440	.56720
.890	11.770	.56020	.01350	.07200	.03740	.03880	-.00430	.00390	-2.06000	-.25370	.53680
.892	12.310	.58040	.01070	.07250	.03770	.03920	-.00430	.00380	-2.06000	-.25370	.53680
.891	12.850	.61220	.03890	.07360	.03750	.03970	-.00420	.00360	-2.06000	-.20160	.49130
.893	13.370	.63760	.00670	.07380	.03790	.03950	-.00360	.00350	-2.06000	-.31660	.41550
.890	13.880	.66530	.00220	.07410	.03680	.03750	-.00290	.00350	-2.06000	-.24590	.27900
.890	14.420	.68770	.00030	.07500	.03700	.03680	-.00240	.00370	-2.06000	-.31660	.27140
.892	14.940	.71590	-.00170	.07480	.03640	.03510	-.00170	.00330	-2.06000	-.42650	.14250
.890	15.460	.74320	-.00120	.07520	.03520	.03500	-.00130	.00300	-2.06000	-.41860	.10460
.892	15.980	.76510	-.00300	.07470	.03440	.03490	-.00060	.00310	-2.06000	-.51290	.04390
.890	16.500	.79060	-.00230	.07430	.03310	.03420	-.00010	.00270	-2.06000	-.63070	-.03940
.889	17.040	.82080	-.00160	.07470	.03310	.03320	.00020	.00260	-2.06000	-.77200	-.18350
.887	17.560	.84980	-.00110	.07500	.03170	.03300	.00040	.00270	-2.06000	-.88980	-.28970
.889	18.050	.86970	-.00170	.07460	.03070	.03250	.00120	.00310	-2.06000	-.94480	-.33520
.890	18.560	.89080	-.00100	.07510	.02970	.03080	.00190	.00360	-2.06000	-1.07830	-.36550
.887	19.070	.92160	.00110	.07600	.02830	.02980	.00210	.00380	-2.05000	-1.15680	-.43380
.891	19.560	.93700	.00220	.07580	.02820	.02880	.00310	.00390	-2.05000	-1.20390	-.43380
.886	20.020	.96750	.00510	.07710	.02650	.02840	.00350	.00390	-2.05000	-1.18040	-.53240
.887	20.370	.97610	.00730	.07750	.02510	.02790	.00410	.00350	-2.05000	-1.16470	-.50200

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 39

LA67 (LTV 552) ORBITER 49-0

(RFD011)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPS =	.000
BETA =	-2.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 52/ 0 RN/L = 6.45

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.181	-4.070	-.28610	.09700	.14780	.08860	.03420	-.00170	.00230	-2.06000	.08390	1.15110
1.179	-3.720	-.26710	.09210	.14770	.08840	.03330	-.00180	.00240	-2.06000	.09960	1.13600
1.181	-3.110	-.22520	.08240	.14770	.08940	.03340	-.00180	.00230	-2.06000	.14670	1.15870
1.183	-2.510	-.18500	.07240	.14760	.09020	.03260	-.00170	.00230	-2.06000	.20950	1.13600
1.181	-1.960	-.14880	.06350	.14770	.09020	.03160	-.00170	.00250	-2.06000	.19380	1.12840
1.187	-1.450	-.11480	.05590	.14750	.09150	.03140	-.00160	.00240	-2.06000	.23310	1.09800
1.187	-.940	-.08310	.04900	.14770	.09180	.03110	-.00150	.00250	-2.06000	.28800	1.11320
1.182	-.410	-.05010	.04110	.14800	.09150	.02980	-.00140	.00240	-2.06000	.24880	1.04490
1.187	.080	-.01490	.03340	.14770	.09190	.02960	-.00130	.00240	-2.06000	.25660	1.08290
1.184	.600	.01580	.02630	.14810	.09200	.02850	-.00130	.00240	-2.05000	.24090	1.02980
1.187	1.120	.04990	.01990	.14800	.09260	.02840	-.00110	.00230	-2.05000	.25660	1.06010
1.186	1.650	.08340	.01400	.14820	.09280	.02840	-.00090	.00220	-2.05000	.31160	1.02980
1.186	2.170	.11690	.00730	.14820	.09270	.02760	-.00080	.00230	-2.05000	.22520	1.01460
1.185	2.690	.14580	.00140	.14790	.09270	.02720	-.00070	.00230	-2.05000	.24880	.95390
1.183	3.200	.18060	-.00340	.14780	.09270	.02720	-.00060	.00250	-2.05000	.18590	1.00700
1.181	3.730	.21160	-.00860	.14760	.09240	.02680	-.00050	.00260	-2.05000	.17020	.99190
1.184	4.240	.23990	-.01520	.14690	.09250	.02630	-.00030	.00260	-2.05000	.17020	.93880
1.178	4.780	.27270	-.01940	.14680	.09200	.02610	-.00020	.00270	-2.05000	.23310	.93880
1.181	5.290	.30230	-.02410	.14610	.09150	.02560	-.00000	.00280	-2.05000	.16240	.90090
1.186	5.800	.33080	-.03020	.14530	.09130	.02490	.00020	.00290	-2.05000	.14670	.88570
1.183	6.330	.36190	-.03470	.14510	.09060	.02480	.00030	.00300	-2.05000	.14670	.85540
1.190	6.840	.38660	-.03790	.14430	.09050	.02500	.00040	.00280	-2.05000	.12310	.74160
1.183	7.380	.42070	-.04080	.14400	.08920	.02480	.00040	.00270	-2.05000	.16240	.71880
1.183	7.890	.44520	-.04320	.14310	.08820	.02470	.00030	.00280	-2.05000	.10740	.60510
1.181	8.400	.47230	-.04380	.14200	.08660	.02460	.00020	.00270	-2.05000	.07600	.50650
1.176	8.940	.50420	-.04530	.14110	.08470	.02450	.00010	.00300	-2.05000	.13880	.44580
1.178	9.450	.52990	-.04670	.13950	.08290	.02410	.00000	.00350	-2.05000	.08390	.36240
1.184	9.960	.55400	-.04890	.13800	.08210	.02470	-.00010	.00360	-2.05000	.06030	.27140
1.181	10.490	.58350	-.04850	.13700	.08030	.02580	-.00050	.00370	-2.05000	-.13590	.08940
1.180	11.020	.61000	-.04970	.13640	.07980	.02770	-.00090	.00320	-2.05000	-.28940	-.06980
1.180	11.530	.63680	-.05110	.13530	.07840	.02800	-.00140	.00280	-2.05000	-.47360	-.17590
1.180	12.050	.66670	-.05220	.13490	.07760	.02860	-.00130	.00270	-2.06000	-.67780	-.30490
1.183	12.560	.69420	-.05400	.13430	.07710	.02840	-.00100	.00280	-2.06000	-.80340	-.41860
1.183	13.090	.71970	-.05520	.13450	.07740	.02980	-.00100	.00260	-2.06000	-.85060	-.54750
1.187	13.590	.74690	-.05720	.13440	.07680	.03010	-.00120	.00240	-2.06000	-.99190	-.64610
1.182	14.130	.77800	-.05890	.13560	.07660	.03270	-.00190	.00170	-2.06000	-.110970	-.79020
1.180	14.640	.80560	-.06210	.13610	.07560	.03390	-.00210	.00120	-2.07000	-.113330	-.84330
1.183	15.130	.83250	-.06370	.13580	.07500	.03340	-.00200	.00110	-2.06000	-.129030	-.87370
1.174	15.640	.86370	-.06700	.13650	.07370	.03410	-.00170	.00110	-2.07000	-.131390	-.92670
1.176	16.150	.88910	-.06890	.13660	.07400	.03290	-.00130	.00120	-2.06000	-.143170	-.97980
1.176	16.670	.91820	-.07000	.13610	.07250	.03190	-.00080	.00150	-2.06000	-.158090	-.102530
1.186	17.150	.93890	-.07300	.13520	.07220	.02980	.00000	.00170	-2.06000	-.180080	-.106320

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD011)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 52/ 0 RN/L = 6.45

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.187	17.670	.96370	-.07360	.13500	.07150	.02960	.00070	.00200	-2.06000	-1.89500	-1.13910
1.182	18.170	.98860	-.07310	.13470	.07010	.02940	.00110	.00220	-2.06000	-1.94210	-1.17700
1.178	18.670	1.01410	-.07190	.13430	.06860	.02850	.00140	.00230	-2.06000	-2.02060	-1.18460
1.181	19.140	1.03240	-.07110	.13400	.06830	.02850	.00200	.00240	-2.06000	-2.09920	-1.21490
1.178	19.630	1.05430	-.07010	.13390	.06680	.02810	.00240	.00250	-2.06000	-2.16200	-1.23010
1.180	20.070	1.07240	-.06980	.13370	.06600	.02730	.00250	.00240	-2.06000	-2.17770	-1.23770
1.173	20.450	1.09330	-.06860	.13400	.06380	.02810	.00270	.00230	-2.06000	-2.30340	-1.28320

ISOLATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD012)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPS =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 44/ 0 RN/L = 7.69

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.614	-4.090	-.22660	.02970	.05160	.02700	.03370	-.00270	.00110	-2.05000	-.03380	.43820
.613	-3.280	-.19230	.02900	.05450	.03030	.03400	-.00290	.00130	-2.05000	-.01320	.45340
.614	-2.400	-.14960	.02880	.05610	.03210	.03430	-.00280	.00140	-2.05000	-.00240	.42310
.614	-1.610	-.11460	.02820	.05770	.03350	.03340	-.00290	.00160	-2.05000	.05240	.46860
.612	-.840	-.07710	.02810	.05850	.03440	.03320	-.00260	.00190	-2.05000	.02100	.46860
.612	-.060	-.04280	.02730	.05890	.03470	.03270	-.00270	.00200	-2.05000	.05240	.46860
.611	.720	-.00320	.02740	.05860	.03440	.03240	-.00270	.00220	-2.05000	.06030	.45340
.611	1.500	.03110	.02670	.05810	.03410	.03260	-.00270	.00240	-2.05000	.05240	.44580
.612	2.300	.07020	.02620	.05610	.03220	.03180	-.00250	.00250	-2.05000	.05240	.42310
.612	3.080	.10710	.02510	.05410	.03040	.03150	-.00260	.00260	-2.05000	.01320	.45340
.611	3.840	.14420	.02480	.05200	.02860	.03150	-.00240	.00290	-2.05000	.05240	.41550
.612	4.630	.17960	.02400	.04890	.02540	.03170	-.00270	.00290	-2.05000	.06030	.38520
.613	5.420	.21860	.02400	.04520	.02180	.03090	-.00260	.00300	-2.05000	.07600	.38520
.612	6.200	.25740	.02330	.04170	.01920	.03100	-.00240	.00330	-2.05000	.04460	.41550
.613	7.000	.29410	.02190	.03710	.01460	.03080	-.00280	.00330	-2.05000	.01320	.41550
.613	7.780	.33330	.02030	.03250	.01010	.03130	-.00280	.00330	-2.05000	.02890	.40790
.613	8.570	.37220	.01920	.02750	.00520	.03120	-.00280	.00350	-2.05000	.05240	.37760
.612	9.360	.41410	.01870	.02210	.00000	.03140	-.00250	.00420	-2.05000	.05240	.31690
.612	10.140	.45170	.01830	.01690	-.00480	.03110	-.00260	.00430	-2.05000	.02890	.35480
.612	10.910	.49200	.01980	.01180	-.01050	.03120	-.00250	.00490	-2.05000	.06030	.29420
.611	11.690	.53200	.02080	.00650	-.01570	.03070	-.00250	.00510	-2.05000	.06030	.30930
.612	12.490	.57370	.01990	.00250	-.01990	.03010	-.00210	.00490	-2.05000	.09960	.26380
.611	13.250	.61560	.01950	.00060	-.02180	.02900	-.00150	.00510	-2.05000	.06810	.21270
.610	14.030	.65160	.01900	.00050	-.02280	.02840	-.00120	.00550	-2.05000	.02890	.08130
.610	14.800	.69280	.01890	.00140	-.02240	.03020	-.00220	.00530	-2.05000	.02890	.05150
.609	15.570	.72780	.01750	.00300	-.02160	.03200	-.00270	.00510	-2.05000	-.07310	-.10010
.610	16.330	.76780	.01660	.00500	-.02030	.03300	-.00320	.00450	-2.05000	-.18310	-.19110
.609	17.080	.80540	.01440	.00750	-.01870	.03320	-.00360	.00440	-2.05000	-.37940	-.39590
.610	17.840	.84570	.01110	.01010	-.01770	.03310	-.00380	.00420	-2.05000	-.52860	-.47170
.609	18.590	.88910	.00870	.01150	-.01770	.03330	-.00430	.00390	-2.05000	-.57570	-.64610
.611	19.360	.93840	.00530	.01110	-.01940	.03350	-.00410	.00490	-2.05000	-.59140	-.72960
.610	20.070	.99240	.00110	.00980	-.02160	.03290	-.00420	.00610	-2.05000	-.63850	-.82810
.609	20.760	1.03210	-.00220	.00910	-.02340	.03340	-.00440	.00760	-2.05000	-.61500	-.89640
.610	21.220	1.05630	-.00320	.00920	-.02430	.03270	-.00440	.00790	-2.05000	-.67780	-.95710

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0013)

PARAMETRIC DATA

ELEVON *	.000	ATLRON *	.000
SPDBRK *	25.000	RN/L *	10.000
GRITNO *	120.000	RCSPDS *	.000
BETA *	-2.000	ALFSWP *	1.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 46/ 0 RN/L = 10.12

MACH	ALPHA	CN	CLM	CA	CAB	YCY	CYN	CBL	BETA	ELVN-L	ELVN-R
.617	-.070	-.03920	.02630	.05900	.03420	.03370	-.00290	.00240	-2.07000	.09960	.36240
.617	.640	-.00650	.02610	.05860	.03350	.03380	-.00280	.00260	-2.07000	.06810	.40030
.618	1.270	.02230	.02570	.05800	.03340	.03360	-.00270	.00290	-2.07000	.07600	.41550
.618	1.850	.05180	.02530	.05730	.03270	.03290	-.00280	.00280	-2.07000	.08390	.38520
.617	2.400	.07710	.02610	.05640	.03160	.03280	-.00280	.00310	-2.07000	.13100	.35480
.619	2.900	.10000	.02360	.05480	.03120	.03300	-.00260	.00320	-2.07000	.09960	.40030
.617	3.430	.12570	.02330	.05330	.03010	.03310	-.00260	.00350	-2.07000	.07600	.40030
.616	3.950	.15120	.02330	.05180	.02770	.03230	-.00280	.00340	-2.07000	.13880	.38520
.615	4.490	.17550	.02230	.04950	.02540	.03210	-.00240	.00340	-2.07000	.13880	.37760
.615	5.030	.20230	.02200	.04670	.02340	.03220	-.00250	.00350	-2.07000	.11530	.36240
.614	5.570	.22800	.02200	.04420	.02160	.03190	-.00270	.00370	-2.06000	.17810	.36240
.613	6.090	.25180	.02100	.04170	.01900	.03170	-.00260	.00380	-2.06000	.09960	.35480
.613	6.620	.27950	.02130	.03840	.01590	.03210	-.00280	.00400	-2.06000	.11530	.32450
.611	7.140	.30530	.02030	.03590	.01400	.03140	-.00280	.00380	-2.06000	.17810	.35480
.610	7.660	.33250	.01960	.03280	.01070	.03160	-.00260	.00400	-2.06000	.13880	.35480
.610	8.190	.35880	.01900	.02940	.00800	.03130	-.00270	.00420	-2.06000	.13100	.33210
.610	8.740	.36390	.01910	.02540	.00440	.03140	-.00270	.00460	-2.06000	.11530	.27900
.608	9.250	.40940	.01840	.02230	.00080	.03090	-.00250	.00490	-2.06000	.14670	.27140
.609	9.770	.43620	.01870	.01810	-.00340	.03050	-.00250	.00530	-2.06000	.15450	.24860
.610	10.320	.46130	.01850	.01480	-.00640	.03060	-.00250	.00540	-2.06000	.23310	.24860
.609	10.830	.49150	.01880	.01090	-.01130	.03030	-.00260	.00560	-2.06000	.19380	.24110
.610	11.380	.51590	.01930	.00760	-.01410	.03070	-.00250	.00570	-2.06000	.24880	.27140
.612	11.890	.54220	.01930	.00400	-.01730	.03040	-.00260	.00580	-2.06000	.17020	.27140
.610	12.420	.57490	.01890	.00080	-.02180	.03010	-.00250	.00580	-2.06000	.20160	.20310
.612	12.950	.60060	.01830	-.00080	-.02270	.02920	-.00210	.00510	-2.06000	.20950	.18900
.609	13.480	.63510	.01840	-.00180	-.02560	.02930	-.00160	.00520	-2.06000	.22520	.17280
.611	14.010	.65520	.01860	-.00190	-.02530	.02900	-.00120	.00550	-2.06000	.22520	.19560
.611	14.510	.68380	.01770	-.00180	-.02540	.02860	-.00170	.00570	-2.06000	.24880	.16520
.613	15.030	.70460	.01750	-.00060	-.02400	.03040	-.00230	.00510	-2.06000	.17020	.08180
.612	15.560	.73040	.01660	-.00040	-.02320	.03120	-.00290	.00490	-2.06000	.02100	.06660
.612	16.070	.75520	.01630	-.00140	-.02340	.03220	-.00320	.00490	-2.06000	.01320	.02970
.612	16.570	.77660	.01600	.00250	-.02260	.03240	-.00340	.00470	-2.06000	-.10450	-.02430
.612	17.100	.80450	.01510	.00360	-.02230	.03280	-.00350	.00480	-2.06000	-.21450	-.19110
.610	17.610	.83330	.01450	.00470	-.02240	.03180	-.00380	.00480	-2.06000	-.28510	-.47930
.612	18.100	.85220	.01320	.00650	-.02100	.03240	-.00370	.00410	-2.06000	-.45010	-.72960
.608	18.620	.88820	.01140	.00770	-.02160	.03280	-.00380	.00390	-2.06000	-.51290	-.80540
.608	19.120	.91470	.00890	.00900	-.02100	.03200	-.00370	.00390	-2.06000	-.55210	-.95710
.609	19.620	.94370	.00730	.00910	-.02210	.03200	-.00360	.00470	-2.06000	-.59930	-1.03290
.611	20.120	.97120	.00520	.00900	-.02190	.03170	-.00360	.00610	-2.06000	-.63850	-1.08600
.608	20.600	1.00980	.00350	.00810	-.02480	.03260	-.00360	.00740	-2.06000	-.66210	-1.07080
.610	21.060	1.03390	.00250	.00730	-.02590	.03190	-.00350	.00840	-2.06000	-.63850	-1.10880
.610	21.420	1.05360	.00150	.00680	-.02650	.03160	-.00330	.00920	-2.06000	-.65990	-1.19220

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD013)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 53/ 0 RN/L = 10.18

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.197	.010	-.02260	.03500	.14650	.09370	.02850	-.00080	.00270	-2.09000	.18590	1.13600
1.194	.340	-.00110	.03100	.14690	.09360	.02930	-.00080	.00260	-2.09000	.16240	1.18150
1.197	.950	.03870	.02310	.14680	.09390	.02840	-.00060	.00260	-2.09000	.17020	1.15870
1.199	1.600	.07820	.01430	.14680	.09470	.02780	-.00040	.00240	-2.09000	.14670	1.09800
1.204	2.180	.11540	.00660	.14660	.09570	.02700	-.00020	.00220	-2.08000	.22520	1.09800
1.206	2.700	.14630	.00060	.14630	.09610	.02660	-.00010	.00230	-2.08000	.28020	1.12080
1.205	3.230	.17800	-.00440	.14580	.09570	.02620	-.00010	.00240	-2.08000	.28800	1.11320
1.199	3.760	.20790	-.00980	.14580	.09500	.02630	.00000	.00250	-2.08000	.31160	1.02980
1.199	4.320	.23990	-.01480	.14570	.09540	.02530	.00010	.00250	-2.08000	.29590	1.05250
1.199	4.870	.27140	-.02050	.14500	.09490	.02530	.00020	.00250	-2.08000	.25660	1.01460
1.196	5.410	.30470	-.02610	.14460	.09370	.02550	.00020	.00240	-2.08000	.24880	.92360
1.201	5.950	.33470	-.03060	.14350	.09350	.02520	.00030	.00250	-2.08000	.24880	.87810
1.198	6.500	.36500	-.03500	.14340	.09240	.02450	.00050	.00250	-2.07000	.24090	.86290
1.198	7.040	.39510	-.03770	.14280	.09140	.02400	.00060	.00270	-2.07000	.23310	.73400
1.199	7.580	.42450	-.04180	.14180	.09020	.02390	.00060	.00310	-2.07000	.20950	.58230
1.202	8.140	.45450	-.04330	.14030	.08930	.02310	.00060	.00310	-2.07000	.14670	.38520
1.200	8.670	.48280	-.04560	.13930	.08720	.02310	.00070	.00330	-2.07000	.07600	.30930
1.199	9.220	.51220	-.04690	.13830	.08570	.02310	.00060	.00320	-2.07000	.02890	.17290
1.198	9.770	.54250	-.04810	.13710	.08400	.02330	.00040	.00310	-2.07000	-.02600	-.00150
1.196	10.320	.57080	-.04910	.13590	.08220	.02420	.00000	.00310	-2.07000	-.13590	-.14560
1.199	10.870	.59870	-.05030	.13440	.08110	.02570	-.00050	.00300	-2.07000	-.30870	-.32000
1.195	11.400	.62700	-.05110	.13390	.07940	.02640	-.00070	.00270	-2.07000	-.46580	-.43380
1.197	11.970	.65690	-.05190	.13330	.07880	.02780	-.00110	.00240	-2.08000	-.62280	-.56270
1.200	12.500	.68300	-.05340	.13230	.07810	.02930	-.00140	.00210	-2.08000	-.92120	-.69160
1.198	13.050	.71390	-.05450	.13190	.07710	.02900	-.00100	.00230	-2.08000	-1.12540	-.85850
1.200	13.590	.74130	-.05670	.13110	.07630	.02940	-.00070	.00240	-2.08000	-1.32170	-.89640
1.201	14.130	.77010	-.05870	.13150	.07650	.03040	-.00100	.00200	-2.09000	-1.55730	-1.01020
1.198	14.680	.79900	-.05900	.13120	.07500	.03110	-.00110	.00150	-2.09000	-1.85570	-1.14670
1.195	15.220	.82720	-.06030	.13180	.07500	.03200	-.00110	.00120	-2.09000	-2.05990	-1.23010
1.193	15.730	.85400	-.06230	.13290	.07440	.03220	-.00100	.00110	-2.09000	-2.20130	-1.23770
1.194	16.260	.88320	-.06390	.13320	.07370	.03180	-.00060	.00130	-2.09000	-2.37400	-1.31350
1.197	16.800	.90830	-.06560	.13310	.07300	.03100	-.00010	.00140	-2.09000	-2.37400	-1.38180
1.193	17.320	.93410	-.06700	.13320	.07290	.02990	.00030	.00180	-2.08000	-2.44470	-1.45000
1.198	17.850	.96020	-.06700	.13310	.07190	.02900	.00100	.00220	-2.08000	-2.53990	-1.58650
1.197	18.380	.98470	-.06780	.13230	.07010	.02770	.00150	.00250	-2.08000	-8.42870	-1.61690
1.196	18.900	1.00660	-.06720	.13160	.06860	.02680	.00200	.00280	-2.08000	-73.05100	.62780
1.196	19.410	1.02790	-.06590	.13130	.06780	.02670	.00250	.00310	-2.08000	.00000	74.16790
1.195	19.880	1.04650	-.06390	.13100	.06630	.02630	.00260	.00300	-2.08000	.00000	74.16790
1.195	20.360	1.06760	-.06270	.13130	.06540	.02640	.00280	.00280	-2.08000	.00000	74.16790
1.195	20.750	1.08410	-.06290	.13190	.06470	.02640	.00300	.00260	-2.08000	.00000	74.16790

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD014)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	-2.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 48/ 0 RN/L = 11.98

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.807	-.020	-.04360	.03040	.06470	.03530	.03900	-.00420	.00180	-2.10000	.0740	.93880
.806	-.340	-.02730	.03070	.06460	.03540	.03910	-.00430	.00190	-2.10000	.06810	.87810
.808	1.000	.00890	.02930	.06410	.03530	.03820	-.00430	.00210	-2.10000	.06810	.90840
.809	1.660	.04300	.02890	.06360	.03510	.03810	-.00420	.00230	-2.10000	.12310	.88570
.810	2.250	.07620	.02740	.06260	.03430	.03770	-.00420	.00240	-2.10000	.06030	.91600
.809	2.810	.10820	.02700	.06150	.03220	.03790	-.00420	.00270	-2.10000	.11530	.91600
.809	3.360	.13850	.02570	.06000	.03080	.03630	-.00410	.00280	-2.10000	.10740	.93880
.810	3.930	.16730	.02430	.05810	.03000	.03630	-.00430	.00290	-2.10000	.11530	.87810
.809	4.490	.19800	.02290	.05660	.02860	.03780	-.00440	.00290	-2.10000	.13880	.87810
.808	5.050	.22970	.02130	.05500	.02670	.03770	-.00440	.00290	-2.10000	.09960	.91600
.809	5.620	.25700	.01930	.05310	.02530	.03750	-.00470	.00280	-2.10000	.07600	.86290
.808	6.190	.28990	.01770	.05170	.02360	.03770	-.00440	.00260	-2.10000	.09960	.86290
.808	6.740	.32110	.01600	.05050	.02200	.03740	-.00440	.00250	-2.09000	.09960	.90840
.808	7.290	.34840	.01510	.04870	.02120	.03720	-.00450	.00220	-2.09000	.16240	.87810
.808	7.850	.37600	.01430	.04740	.02000	.03670	-.00450	.00220	-2.09000	.09170	.81740
.807	8.410	.40500	.01490	.04660	.01840	.03660	-.00430	.00220	-2.09000	.09960	.86290
.807	8.980	.42960	.01550	.04600	.01790	.03680	-.00440	.00210	-2.09000	.10740	.85540
.807	9.530	.45590	.01520	.04540	.01710	.03650	-.00410	.00230	-2.09000	.09170	.82500
.807	10.080	.48240	.01510	.04490	.01640	.03580	-.00370	.00320	-2.09000	.06030	.74920
.807	10.620	.50780	.01510	.04430	.01550	.03520	-.00360	.00360	-2.09000	.06030	.71880
.807	11.170	.53260	.01560	.04390	.01540	.03520	-.00340	.00370	-2.09000	.11530	.71130
.807	11.720	.55800	.01570	.04380	.01490	.03570	-.00350	.00340	-2.09000	.06030	.62030
.806	12.260	.58440	.01500	.04380	.01440	.03550	-.00340	.00340	-2.09000	.08390	.56230
.806	12.820	.61370	.01520	.04410	.01390	.03570	-.00320	.00370	-2.09000	.02890	.52930
.806	13.370	.63700	.01540	.04470	.01400	.03550	-.00290	.00430	-2.09000	.02890	.35480
.805	13.910	.66470	.01340	.04520	.01350	.03550	-.00260	.00460	-2.09000	-.01030	.19560
.805	14.460	.69300	.01240	.04570	.01320	.03520	-.00240	.00450	-2.09000	-.17520	.15010
.803	15.020	.72550	.00970	.04670	.01300	.03580	-.00220	.00370	-2.03000	-.23020	-.00150
.803	15.540	.75120	.00690	.04790	.01300	.03540	-.00200	.00320	-2.09000	-.41860	-.06980
.804	16.080	.78140	.00470	.04910	.01350	.03610	-.00190	.00240	-2.09000	-.51290	-.25940
.803	16.610	.81010	.00280	.05060	.01390	.03650	-.00160	.00200	-2.09000	-.63850	-.40360
.803	17.140	.83840	.00110	.05160	.01440	.03620	-.00140	.00190	-2.09000	-.78770	-.52480
.803	17.680	.86520	.00000	.05210	.01380	.03630	-.00120	.00150	-2.09000	-.78770	-.63100
.801	18.200	.88960	.00100	.05260	.01310	.03590	-.00090	.00220	-2.09000	-.92910	-.65370
.801	18.750	.91230	.00300	.05250	.01250	.03490	-.00060	.00270	-2.09000	-.93690	-.72960
.800	19.250	.93570	.00450	.05270	.01210	.03380	-.00010	.00310	-2.08000	-.98410	-.83570
.800	19.730	.95070	.00630	.05290	.01160	.03400	.00020	.00320	-2.09000	-1.03120	-.83570
.798	20.210	.97520	.00860	.05290	.00910	.03350	.00010	.00370	-2.08000	-1.07040	-.88120
.797	20.610	.99860	.01050	.05270	.00760	.03340	.00000	.00430	-2.08000	-1.13330	-.96470
.797	20.820	1.00950	.01030	.05270	.00690	.03310	-.00010	.00450	-2.08000	-1.14900	-.98740

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD014)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 51/ 0 RN/L = 11.86

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.898	-.010	-.02910	.02480	.07650	.04320	.04270	-.00540	.00220	-2.13000	.15450	1.01460
.899	.370	-.00630	.02350	.07630	.04330	.04260	-.00550	.00240	-2.13000	.20950	1.02220
.900	1.020	.03270	.02160	.07690	.04420	.04300	-.00570	.00270	-2.13000	.17020	.96910
.902	1.680	.07080	.01820	.07680	.04450	.04320	-.00580	.00280	-2.13000	.20160	1.04490
.903	2.250	.10400	.01670	.07700	.04480	.04270	-.00600	.00280	-2.12000	.20160	.99190
.904	2.790	.13500	.01470	.07670	.04450	.04310	-.00610	.00240	-2.13000	.24880	1.04490
.903	3.330	.16440	.01450	.07700	.04490	.04290	-.00640	.00190	-2.12000	.23310	.99190
.906	3.890	.18940	.01390	.07660	.04460	.04280	-.00630	.00180	-2.12000	.27230	1.05250
.905	4.440	.21590	.01570	.07640	.04480	.04210	-.00610	.00200	-2.12000	.28800	1.00700
.906	4.990	.23870	.01560	.07560	.04460	.04190	-.00570	.00230	-2.12000	.25660	1.06770
.903	5.520	.26460	.01750	.07530	.04450	.04080	-.00540	.00250	-2.12000	.22520	1.00700
.905	6.080	.28810	.01690	.07400	.04360	.04040	-.00520	.00250	-2.12000	.30370	1.06770
.903	6.610	.31520	.01740	.07330	.04270	.03920	-.00490	.00290	-2.11000	.28020	1.03740
.903	7.170	.33860	.01720	.07240	.04210	.03850	-.00450	.00320	-2.11000	.24090	1.04490
.901	7.700	.36570	.01620	.07240	.04160	.03740	-.00420	.00320	-2.11000	.28800	1.00700
.902	8.240	.39180	.01520	.07180	.04120	.03730	-.00410	.00350	-2.11000	.24880	.97670
.901	8.770	.41670	.01490	.07120	.04020	.03720	-.00390	.00390	-2.11000	.28800	.96910
.900	9.310	.44060	.01590	.07070	.03920	.03690	-.00380	.00360	-2.10000	.25660	.94640
.901	9.850	.46600	.01490	.07040	.03870	.03720	-.00380	.00380	-2.10000	.31940	.94640
.903	10.410	.49590	.01190	.06990	.03820	.03720	-.00360	.00450	-2.10000	.23310	.97670
.902	10.930	.52540	.00900	.06980	.03730	.03660	-.00340	.00490	-2.10000	.28020	.93680
.902	11.480	.55400	.00660	.06950	.03680	.03630	-.00320	.00550	-2.10000	.31160	.90090
.900	12.000	.58000	.00540	.06940	.03580	.03670	-.00330	.00570	-2.10000	.29590	.85540
.900	12.530	.60310	.00470	.06920	.03530	.03690	-.00340	.00560	-2.10000	.24880	.79470
.899	13.050	.62600	.00510	.06930	.03480	.03680	-.00340	.00580	-2.10000	.26800	.63540
.895	13.540	.64950	.00350	.06930	.03370	.03770	-.00330	.00590	-2.10000	.23310	.53680
.893	14.050	.67390	.00350	.06960	.03330	.03780	-.00320	.00610	-2.10000	.17810	.37000
.893	14.560	.69730	.00240	.07000	.03280	.03750	-.00280	.00600	-2.10000	.04460	.21070
.895	15.080	.71770	-.00010	.07010	.03230	.03660	-.00200	.00570	-2.10000	-.11240	.15010
.894	15.570	.74240	-.00010	.07080	.03260	.03640	-.00150	.00510	-2.10000	-.19860	.04390
.895	16.060	.76490	-.00160	.07090	.03160	.03650	-.00120	.00470	-2.10000	-.34010	-.16980
.897	16.560	.78790	-.00260	.07150	.03120	.03580	-.00060	.00430	-2.09000	-.45790	-.37310
.897	17.050	.81470	-.00240	.07250	.03200	.03470	-.00010	.00370	-2.09000	-.58360	-.47930
.899	17.540	.83240	-.00250	.07250	.03080	.03430	.00050	.00320	-2.09000	-.76420	-.65370

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD015)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPOS =	.000
BETA =	-2.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 56/ 0 RN/L = 5.06

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.601	-4.080	-.23160	.02860	.05330	.02510	.03560	-.00290	.00100	-2.03000	-.12020	.41550
.597	-3.670	-.21890	.03010	.05560	.02620	.03630	-.00280	.00090	-2.03000	-.14380	.43820
.598	-2.800	-.17610	.02750	.05760	.02810	.03740	-.00290	.00110	-2.03000	-.06530	.40030
.603	-1.980	-.13040	.02980	.05910	.03230	.03560	-.00300	.00150	-2.03000	-.14380	.37760
.604	-1.240	-.09930	.02970	.06000	.03370	.03560	-.00310	.00170	-2.03000	-.13590	.36520
.598	-.510	-.06630	.02970	.06170	.03300	.03630	-.00280	.00160	-2.03000	-.05740	.41550
.598	.230	-.02660	.02820	.06160	.03310	.03670	-.00280	.00180	-2.03000	-.07310	.40790
.598	1.010	.00930	.02930	.06130	.03360	.03430	-.00250	.00170	-2.03000	-.08100	.41550
.602	1.740	.03640	.02990	.05870	.03290	.03410	-.00280	.00210	-2.03000	-.05740	.37760
.600	2.490	.07300	.02760	.05720	.03070	.03380	-.00270	.00190	-2.03000	-.11240	.40030
.599	3.240	.10640	.02900	.05500	.02880	.03300	-.00310	.00210	-2.03000	-.05740	.37000
.596	4.000	.14880	.02900	.05400	.02700	.03170	-.00300	.00200	-2.03000	-.04950	.33970
.593	4.740	.18600	.02800	.05100	.02350	.03230	-.00290	.00230	-2.03000	-.06530	.35480
.594	5.500	.22390	.02710	.04770	.02090	.03250	-.00300	.00240	-2.03000	-.07310	.33970
.595	6.260	.26040	.02380	.04410	.01760	.03270	-.00280	.00240	-2.03000	-.08880	.37760
.594	6.990	.30110	.02260	.03950	.01250	.03330	-.00300	.00260	-2.03000	-.09670	.40030
.598	7.730	.33230	.02250	.03390	.00850	.03380	-.00300	.00310	-2.03000	-.03380	.33970
.600	8.500	.37390	.01980	.02880	.00500	.03300	-.00300	.00330	-2.03000	-.13590	.32450
.595	9.240	.41630	.01990	.02430	-.00230	.03240	-.00280	.00360	-2.03000	-.06530	.36240
.596	9.990	.46090	.01920	.01930	-.00580	.03200	-.00310	.00420	-2.03000	-.11240	.32450
.599	10.730	.48790	.01910	.01360	-.01120	.03290	-.00300	.00480	-2.04000	-.05740	.29420
.598	11.480	.53350	.01980	.00890	-.01610	.03170	-.00280	.00480	-2.04000	-.09670	.35480
.595	12.240	.58200	.02200	.00510	-.02070	.03030	-.00290	.00400	-2.03000	-.09670	.31690
.599	12.990	.61300	.01880	.00360	-.02140	.02910	-.00160	.00440	-2.03000	-.07310	.30170
.599	13.730	.65530	.01750	.00370	-.02210	.02750	-.00060	.00530	-2.03000	-.04950	.28660
.594	14.460	.70050	.01630	.00490	-.02290	.02860	-.00160	.00500	-2.03000	-.10450	.22590
.594	15.200	.74400	.01540	.00550	-.02240	.03020	-.00240	.00480	-2.04000	-.07310	.14250
.592	15.930	.78390	.00970	.00770	-.02170	.03250	-.00320	.00410	-2.04000	-.12020	.09700
.595	16.680	.81850	.00730	.01020	-.01800	.03290	-.00400	.00420	-2.04000	-.23020	-.02430
.597	17.390	.85630	.00430	.01130	-.01960	.03440	-.00350	.00440	-2.04000	-.23800	-.02430
.594	18.100	.90220	.00240	.01240	-.02120	.03510	-.00360	.00350	-2.04000	-.25370	-.04700
.591	18.820	.95040	.00510	.01270	-.02390	.03370	-.00360	.00430	-2.04000	-.40290	-.13800
.598	19.510	.96880	.00080	.01350	-.02360	.03350	-.00290	.00740	-2.04000	-.42650	-.13040
.591	20.110	1.02060	-.00060	.01450	-.02580	.03180	-.00260	.00910	-2.04000	-.51290	-.16080
.598	20.360	1.02700	.00000	.01430	-.02430	.03090	-.00280	.01010	-2.04000	-.50500	-.19110

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA57

PAGE 47

LA57 (LTV 552) ORBITER 49-0

(RFD016)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	.000
BETA =	-2.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 57/ 0 RN/L = 6.03

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.891	-3.730	-.25580	.04350	.07290	.03540	.04060	-.00450	.00190	-2.06000	.59430	.46860
.898	-2.820	-.20080	.03800	.07550	.03960	.03980	-.00490	.00190	-2.06000	.68070	.49890
.897	-1.990	-.14640	.03300	.07610	.03960	.04030	-.00510	.00240	-2.06000	.66500	.46860
.891	-1.210	-.10110	.02940	.07700	.04020	.04100	-.00510	.00270	-2.06000	.64140	.45340
.891	-.430	-.05670	.02610	.07780	.04160	.04030	-.00500	.00300	-2.06000	.63360	.46100
.890	.330	-.01280	.02470	.07720	.04210	.04000	-.00490	.00330	-2.06000	.67280	.49130
.895	1.100	.03400	.01950	.07740	.04310	.03880	-.00500	.00340	-2.06000	.68850	.52820
.895	1.880	.07690	.01850	.07670	.04300	.03910	-.00520	.00320	-2.06000	.65710	.49890
.890	2.650	.12180	.01920	.07640	.04160	.04010	-.00550	.00330	-2.06000	.66500	.49890
.892	3.430	.16310	.01730	.07610	.04200	.03900	-.00520	.00320	-2.06000	.66500	.54440
.896	4.200	.19840	.01670	.07560	.04290	.03780	-.00480	.00350	-2.06000	.68850	.52820
.894	4.970	.23860	.01650	.07500	.04210	.03700	-.00460	.00400	-2.05000	.70420	.54440
.894	5.740	.27500	.01620	.07400	.04150	.03620	-.00400	.00470	-2.05000	.71210	.52820
.888	6.530	.31900	.01450	.07360	.04040	.03570	-.00400	.00520	-2.05000	.70420	.54440
.894	7.290	.35740	.01460	.07320	.04090	.03720	-.00400	.00510	-2.06000	.67280	.54440
.892	8.060	.38670	.01490	.07170	.03950	.03650	-.00420	.00470	-2.06000	.71210	.48370
.890	8.820	.41940	.01570	.07070	.03810	.03680	-.00410	.00470	-2.06000	.64140	.50650
.889	9.590	.45820	.01380	.07090	.03750	.03630	-.00370	.00510	-2.06000	.64140	.46100
.896	10.350	.49420	.01170	.07160	.03820	.03610	-.00340	.00520	-2.06000	.64930	.45340
.896	11.120	.53060	.01000	.07140	.03780	.03570	-.00310	.00560	-2.06000	.65710	.47620
.889	11.890	.56890	.00720	.07190	.03610	.03600	-.00330	.00610	-2.06000	.58640	.41550
.893	12.650	.60760	.00380	.07230	.03660	.03640	-.00320	.00610	-2.06000	.50790	.40790
.887	13.390	.64450	-.00150	.07230	.03420	.03460	-.00260	.00610	-2.06000	.42150	.25620
.885	14.150	.68070	-.00340	.07310	.03350	.03350	-.00150	.00580	-2.06000	.38230	.15010
.890	14.890	.71520	-.00440	.07320	.03380	.03310	-.00070	.00530	-2.06000	.27230	-.03940
.889	15.650	.75540	-.00740	.07360	.03220	.03170	.00000	.00510	-2.06000	.15450	-.22900
.892	16.410	.79300	-.00790	.07410	.03250	.03100	.00070	.00510	-2.06000	-.00240	-.39590
.893	17.150	.82720	-.00750	.07390	.03130	.03000	.00150	.00520	-2.05000	-.03380	-.51720
.886	17.890	.87430	-.00650	.07440	.02810	.03020	.00210	.00610	-2.06000	-.04950	-.62340
.890	18.620	.90110	-.00660	.07450	.02750	.02740	.00280	.00650	-2.05000	-.05740	-.72200
.891	19.320	.93040	-.00540	.07480	.02620	.02620	.00340	.00670	-2.05000	-.12810	-.79020
.892	20.000	.95790	-.00150	.07570	.02430	.02490	.00410	.00650	-2.05000	-.19870	-.82060
.886	20.450	.98760	.00070	.07720	.02180	.02550	.00470	.00650	-2.05000	-.22230	-.88120

TABULATED SOURCE DATA, LTV TEST 552, LA57

PAGE 48

LA57 (LTV 552) ORBITER 49-0

(RFD016)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	.000
BETA =	-2.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 58/ 0 RN/L = 6.45

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.181	-3.750	-.26680	.08910	.14730	.08880	.03120	-.00120	.00440	-2.06000	1.34030	.84020
1.179	-2.820	-.20340	.07550	.14780	.08960	.03160	-.00120	.00450	-2.06000	1.26970	.79470
1.187	-1.980	-.14610	.06040	.14740	.09100	.03080	-.00120	.00440	-2.06000	1.26180	.74920
1.186	-1.210	-.09610	.04920	.14760	.09110	.03030	-.00120	.00440	-2.06000	1.27750	.74160
1.188	-.460	-.05090	.03790	.14740	.09100	.02860	-.00100	.00440	-2.05000	1.32460	.75680
1.187	.310	.00040	.02630	.14730	.09110	.02820	-.00090	.00440	-2.05000	1.28540	.73400
1.187	1.100	.05240	.01660	.14740	.09220	.02830	-.00060	.00420	-2.05000	1.24610	.69610
1.187	1.870	.10100	.00620	.14710	.09260	.02760	-.00050	.00410	-2.05000	1.14400	.65820
1.182	2.660	.14880	-.00290	.14720	.09200	.02650	-.00030	.00420	-2.05000	1.15190	.67330
1.184	3.420	.19530	-.01160	.14630	.09190	.02580	-.00020	.00420	-2.05000	1.29320	.65820
1.179	4.220	.24300	-.01920	.14620	.09190	.02650	-.00020	.00430	-2.05000	1.24610	.65820
1.177	4.990	.29110	-.02760	.14540	.09100	.02570	-.00010	.00440	-2.05000	1.18330	.61270
1.183	5.770	.33600	-.03280	.14420	.09140	.02620	.00000	.00430	-2.05000	1.12040	.62030
1.180	6.550	.38280	-.03910	.14360	.08940	.02580	.00010	.00420	-2.05000	1.15970	.49890
1.187	7.330	.42210	-.04470	.14200	.08890	.02420	.00020	.00400	-2.05000	1.07330	.38520
1.162	8.110	.46650	-.04780	.14110	.08670	.02480	.00010	.00390	-2.05000	.95550	.26380
1.185	8.870	.50510	-.05020	.13900	.08470	.02390	.00000	.00430	-2.05000	.64140	.02870
1.186	9.660	.54070	-.05000	.13700	.08300	.02490	-.00050	.00400	-2.05000	.48430	-.21390
1.181	10.450	.58330	-.05030	.13560	.08050	.02740	-.00120	.00380	-2.05000	.42150	-.35800
1.179	11.230	.62620	-.05320	.13490	.07910	.02810	-.00130	.00400	-2.05000	.38230	-.60060
1.185	11.990	.66580	-.05630	.13330	.07730	.02730	-.00120	.00400	-2.05000	.18590	-.75230
1.180	12.770	.71340	-.05850	.13320	.07590	.02810	-.00100	.00430	-2.05000	.13880	-.79020
1.177	13.560	.75520	-.05960	.13370	.07520	.02960	-.00110	.00410	-2.06000	-.10450	-.88120
1.177	14.310	.79550	-.06300	.13430	.07430	.03190	-.00200	.00310	-2.06000	-.23020	-.98740
1.180	15.090	.83620	-.06660	.13490	.07410	.03240	-.00180	.00260	-2.06000	-.26940	-1.07080
1.183	15.840	.87580	-.07000	.13490	.07260	.03130	-.00110	.00270	-2.06000	-.44220	-1.19220
1.181	16.610	.91840	-.07230	.13460	.07090	.03090	-.00060	.00300	-2.06000	-.48150	-1.24530
1.186	17.360	.95260	-.07380	.13410	.07050	.02920	-.00030	.00340	-2.06000	-.58360	-1.39690
1.180	18.110	.99180	-.07540	.13390	.06770	.02790	.00100	.00380	-2.06000	-.63070	-1.41970
1.177	18.850	1.02770	-.07450	.13340	.06570	.02760	.00150	.00390	-2.06000	-.77200	-1.45000
1.184	19.550	1.05520	-.07370	.13270	.06520	.02730	.00220	.00400	-2.06000	-.81910	-1.54100
1.174	20.240	1.08990	-.07200	.13340	.06390	.02710	.00250	.00410	-2.06000	-.81910	-1.58650
1.183	20.610	1.10150	-.07170	.13300	.06450	.02570	.00280	.00390	-2.06000	-.89770	-1.70030

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 49

LA67 (LTV 352) ORBITER 49-0

(RFD0017)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 61/ 0 RN/L = 5.10

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.602	-3.990	-.22500	.02650	.05400	.02390	.03290	-.00300	.00160	-2.03000	.57070	.30170
.605	-3.600	-.20620	.02660	.05510	.02630	.03410	-.00300	.00180	-2.03000	.53930	.21070
.603	-3.020	-.17860	.02710	.05680	.02650	.03430	-.00300	.00220	-2.03000	.57860	.25620
.610	-2.440	-.15220	.02580	.05710	.03010	.03160	-.00290	.00240	-2.03000	.53150	.24860
.605	-1.910	-.12630	.02680	.05930	.02970	.03460	-.00280	.00240	-2.03000	.58650	.27140
.606	-1.400	-.10100	.02540	.06000	.03110	.03370	-.00280	.00250	-2.03000	.57860	.23350
.611	-.910	-.07940	.02510	.05940	.03270	.03170	-.00280	.00280	-2.03000	.60220	.27140
.611	-.400	-.05720	.02500	.06020	.03390	.03220	-.00260	.00260	-2.03000	.56290	.22590
.607	.110	-.03000	.02520	.06050	.03310	.03430	-.00260	.00270	-2.03000	.57860	.24860
.611	.600	-.00580	.02440	.05940	.03310	.03220	-.00260	.00320	-2.03000	.59430	.27900
.605	1.120	.01520	.02540	.06030	.03230	.03290	-.00260	.00330	-2.03000	.51580	.24860
.610	1.620	.04200	.02500	.05820	.03120	.03220	-.00290	.00350	-2.03000	.57070	.27900
.607	2.120	.06600	.02530	.05750	.02990	.03300	-.00290	.00370	-2.03000	.53930	.25620
.603	2.650	.09060	.02550	.05720	.02920	.03370	-.00290	.00370	-2.03000	.57860	.24110
.608	3.130	.11180	.02500	.05430	.02780	.03240	-.00320	.00390	-2.03000	.54720	.26380
.609	3.640	.13720	.02470	.05310	.02660	.03130	-.00340	.00390	-2.03000	.53930	.27900
.609	4.140	.15840	.02450	.05170	.02550	.03150	-.00290	.00390	-2.03000	.59430	.24860
.608	4.650	.18340	.02380	.04970	.02370	.03070	-.00280	.00410	-2.03000	.61790	.28660
.609	5.160	.20880	.02400	.04770	.02210	.03280	-.00270	.00410	-2.03000	.54720	.22590
.604	5.680	.24080	.02350	.04560	.01870	.03350	-.00280	.00430	-2.03000	.51580	.24860
.604	6.190	.26750	.02240	.04260	.01560	.03350	-.00270	.00470	-2.04000	.61790	.21830
.609	6.680	.28880	.02220	.03950	.01400	.03180	-.00270	.00460	-2.03000	.55500	.27900
.603	7.210	.32280	.02170	.03690	.01010	.03360	-.00280	.00430	-2.04000	.60220	.23350
.605	7.700	.34200	.02010	.03380	.00810	.03100	-.00270	.00490	-2.03000	.53930	.25620
.604	8.210	.37150	.01890	.03050	.00470	.03080	-.00280	.00500	-2.03000	.55500	.22590
.605	8.710	.39660	.01870	.02750	.00110	.03230	-.00260	.00510	-2.04000	.61790	.17280
.609	9.210	.41890	.01770	.02410	.00030	.03170	-.00260	.00510	-2.04000	.53930	.18040
.604	9.730	.44990	.01610	.02050	-.00520	.03000	-.00270	.00570	-2.03000	.64140	.19560
.606	10.240	.47440	.01660	.01750	-.00760	.03120	-.00260	.00600	-2.04000	.59430	.24110
.603	10.730	.50270	.01710	.01330	-.01300	.03010	-.00270	.00680	-2.03000	.59430	.19560
.607	11.240	.52490	.01680	.01030	-.01450	.03070	-.00270	.00660	-2.04000	.55500	.15760
.605	11.750	.55760	.01780	.00700	-.01870	.03170	-.00290	.00670	-2.04000	.57070	.19560
.606	12.250	.58340	.01700	.00450	-.02080	.03170	-.00270	.00590	-2.04000	.59430	.15010
.604	12.730	.61320	.01560	.00360	-.02240	.03090	-.00210	.00600	-2.04000	.59430	.16520
.603	13.230	.63930	.01530	.00430	-.02230	.02920	-.00080	.00720	-2.04000	.54720	.06660
.606	13.740	.65780	.01480	.00510	-.02080	.02760	-.00080	.00740	-2.04000	.57070	.04390
.608	14.240	.68090	.01400	.00510	-.02180	.02690	-.00120	.00740	-2.04000	.53150	-.03940
.603	14.720	.71670	.01230	.00610	-.02160	.02830	-.00170	.00680	-2.04000	.41370	-.13040
.605	15.220	.73920	.01200	.00650	-.01970	.02900	-.00250	.00670	-2.04000	.35870	-.10770
.602	15.700	.76810	.01060	.00780	-.02170	.03140	-.00310	.00610	-2.04000	.29590	-.19110
.602	16.190	.79490	.00840	.00940	-.01980	.03070	-.00370	.00580	-2.04000	.20950	-.25180
.604	16.690	.81930	.00620	.01110	-.01890	.03080	-.00380	.00590	-2.04000	.20950	-.27450

TABULATED SOURCE DATA. LTV TEST 552. LAS7

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LAS7 (LTV 552) ORBITER 49-0

(RFD017)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	-2.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 61/ 0 RN/L = 5.10

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.603	17.190	.84940	.00370	.01270	-.01650	.03020	-.00390	.00600	-2.04000	.20950	-.31250
.605	17.680	.87160	.00470	.01250	-.01820	.03200	-.00410	.00580	-2.04000	.17020	-.28970
.603	18.150	.89940	.00490	.01390	-.01670	.03130	-.00410	.00480	-2.04000	.09960	-.37310
.602	18.610	.92860	.00410	.01480	-.01730	.03170	-.00420	.00440	-2.04000	.14670	-.38070
.603	19.080	.95070	.00500	.01530	-.01760	.03240	-.00410	.00590	-2.04000	.06030	-.44140
.602	19.510	.97590	.00380	.01630	-.01820	.03180	-.00380	.00790	-2.04000	.05240	-.52480
.603	19.840	.98850	.00330	.01630	-.01870	.03050	-.00350	.00870	-2.04000	.01320	-.64610

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 51

LA67 (LTV 552) ORBITER 49-0

(RFD018)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	-2.000	ALFSNP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 60/ 0 RN/L = 6.04

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CEL	BETA	ELVN-L	ELVN-R
.901	-3.730	-.25640	.04300	.07320	.03810	.04050	-.00460	.00250	-2.06000	.88490	.24860
.899	-2.820	-.20010	.03780	.07390	.03880	.03990	-.00450	.00270	-2.06000	.90840	.21070
.905	-1.970	-.14790	.03330	.07520	.04110	.04040	-.00470	.00310	-2.06000	.91830	.27140
.901	-1.220	-.10130	.03050	.07610	.04190	.03920	-.00470	.00310	-2.06000	.91630	.21070
.898	-.440	-.05580	.02670	.07610	.04190	.03920	-.00460	.00370	-2.06000	.88490	.22590
.898	.330	-.00900	.02510	.07640	.04260	.03830	-.00480	.00390	-2.06000	.86130	.22590
.899	1.110	.03810	.02190	.07710	.04340	.03860	-.00500	.00410	-2.06000	.87700	.25620
.902	1.880	.07820	.01950	.07630	.04390	.03890	-.00510	.00410	-2.06000	.85350	.30930
.899	2.650	.11610	.01960	.07520	.04250	.03860	-.00490	.00390	-2.06000	.86920	.33210
.901	3.430	.15960	.01790	.07460	.04290	.03780	-.00470	.00400	-2.06000	.91630	.31690
.902	4.210	.19600	.01700	.07410	.04340	.03750	-.00440	.00430	-2.06000	.88490	.30930
.902	4.980	.23140	.01660	.07340	.04270	.03680	-.00420	.00470	-2.06000	.93200	.32450
.899	5.740	.27190	.01550	.07330	.04180	.03600	-.00400	.00510	-2.06000	.95550	.35480
.900	6.520	.31100	.01500	.07230	.04110	.03550	-.00410	.00520	-2.05000	.93980	.35480
.899	7.290	.34720	.01420	.07180	.04070	.03560	-.00400	.00490	-2.06000	.94770	.40790
.899	8.050	.37910	.01410	.07110	.03980	.03630	-.00410	.00470	-2.06000	.93200	.40030
.902	8.840	.41460	.01550	.07010	.03960	.03670	-.00400	.00500	-2.06000	.90060	.37000
.899	9.590	.45110	.01430	.07000	.03910	.03560	-.00350	.00540	-2.06000	.90060	.33210
.898	10.360	.48640	.01340	.07000	.03860	.03560	-.00320	.00570	-2.06000	.90840	.30930
.900	11.130	.52350	.01210	.06980	.03760	.03520	-.00310	.00610	-2.06000	.86130	.27900
.898	11.870	.56090	.00840	.07030	.03720	.03610	-.00330	.00670	-2.06000	.81420	.21070
.896	12.630	.59960	.00700	.07100	.03660	.03610	-.00310	.00700	-2.06000	.77490	.12730
.900	13.400	.63040	.00190	.07180	.03660	.03490	-.00260	.00690	-2.06000	.55500	.02110
.897	14.160	.67300	-.00220	.07310	.03580	.03360	-.00160	.00610	-2.06000	.41370	-.02430
.900	14.900	.70760	-.00220	.07280	.03630	.03210	-.00060	.00580	-2.06000	.23310	-.18350
.897	15.650	.74590	-.00460	.07290	.03450	.03190	.00000	.00540	-2.06000	.17020	-.29730
.896	16.400	.78700	-.00490	.07330	.03370	.03010	.00050	.00560	-2.05000	.08380	-.45650
.897	17.150	.82460	-.00630	.07360	.03330	.03000	.00110	.00570	-2.05000	.02100	-.60820
.897	17.900	.85890	-.00620	.07320	.03090	.02840	.00190	.00640	-2.05000	-.06530	-.69160
.898	18.620	.89570	-.00490	.07430	.03030	.02770	.00270	.00690	-2.05000	-.10450	-.73710
.896	19.350	.92370	-.00230	.07410	.02760	.02700	.00330	.00650	-2.05000	-.14380	-.80540
.896	20.030	.94870	.00040	.07430	.02620	.02580	.00390	.00630	-2.05000	-.15160	-.82060
.897	20.470	.96550	.00220	.07520	.02560	.02610	.00480	.00620	-2.05000	-.13590	-.83570

LA67 (LTV 552) ORBITER 49-0

(RFD018)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOSRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	-2.000	ALFSNP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 59/ 0 RN/L = 6.47

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.181	-3.730	-.26180	.08820	.14770	.08920	.03150	-.00130	.00430	-2.06000	1.36390	.84020
1.183	-2.810	-.20420	.07530	.14790	.09000	.03160	-.00120	.00470	-2.06000	1.34030	.86290
1.185	-1.980	-.14610	.06030	.14730	.09030	.03040	-.00100	.00480	-2.06000	1.43460	.77950
1.182	-1.210	-.09650	.04890	.14720	.09020	.02970	-.00100	.00470	-2.06000	1.40320	.77950
1.183	-.430	-.04840	.03950	.14720	.09070	.02940	-.00110	.00470	-2.06000	1.38740	.82500
1.178	.330	.00380	.02820	.14790	.09090	.02850	-.00100	.00430	-2.05000	1.30890	.77190
1.182	1.120	.05520	.01670	.14780	.09160	.02780	-.00080	.00430	-2.05000	1.32460	.77190
1.186	1.890	.10170	.00630	.14680	.09170	.02770	-.00050	.00420	-2.05000	1.33250	.74920
1.186	2.670	.14950	-.00240	.14630	.09200	.02720	-.00040	.00420	-2.05000	1.27750	.74920
1.185	3.450	.19650	-.01200	.14630	.09190	.02680	-.00030	.00430	-2.05000	1.32460	.73400
1.182	4.230	.24350	-.01930	.14560	.09170	.02590	-.00030	.00430	-2.05000	1.32460	.65060
1.181	4.990	.28710	-.02810	.14470	.09120	.02610	-.00020	.00430	-2.05000	1.26970	.65060
1.180	5.780	.33410	-.03370	.14450	.09040	.02490	.00000	.00430	-2.05000	1.28540	.58230
1.181	6.540	.37740	-.04050	.14350	.08950	.02490	.00000	.00430	-2.05000	1.13620	.51410
1.181	7.320	.42030	-.04400	.14230	.08780	.02410	.00020	.00410	-2.05000	1.11260	.44580
1.180	8.110	.46370	-.04700	.14110	.08650	.02430	.00020	.00410	-2.05000	.97120	.30170
1.179	8.890	.50510	-.05070	.13960	.08450	.02390	.00000	.00470	-2.05000	.72780	.08940
1.182	9.680	.54270	-.04990	.13680	.08190	.02500	-.00020	.00410	-2.05000	.54720	-.14560
1.179	10.440	.58160	-.04980	.13510	.07950	.02670	-.00080	.00380	-2.05000	.46080	-.32000
1.178	11.220	.62230	-.05270	.13440	.07850	.02810	-.00130	.00390	-2.05000	.34300	-.58550
1.182	12.010	.66540	-.05520	.13350	.07720	.02850	-.00130	.00400	-2.06000	.22520	-.75990
1.183	12.780	.70540	-.05750	.13250	.07580	.02820	-.00110	.00440	-2.06000	.07600	-.83570
1.178	13.550	.74990	-.05850	.13360	.07540	.02980	-.00130	.00410	-2.06000	-.07310	-.89640
1.178	14.310	.79070	-.06240	.13450	.07460	.03220	-.00230	.00310	-2.06000	-.15950	-.99500
1.183	15.090	.82800	-.06540	.13450	.07420	.03300	-.00200	.00270	-2.06000	-.26940	-1.11630
1.179	15.840	.87430	-.06910	.13460	.07250	.03210	-.00120	.00300	-2.06000	-.45010	-1.19220
1.183	16.620	.91280	-.07110	.13410	.07140	.03080	-.00060	.00310	-2.06000	-.53640	-1.26040
1.179	17.360	.95360	-.07280	.13370	.06890	.02880	.00050	.00360	-2.06000	-.58360	-1.40450
1.183	18.110	.98790	-.07540	.13290	.06800	.02850	.00090	.00380	-2.06000	-.66210	-1.40450
1.182	18.830	1.02220	-.07510	.13220	.06690	.02800	.00150	.00400	-2.06000	-.74850	-1.45000
1.179	19.550	1.05430	-.07310	.13180	.06510	.02720	.00220	.00410	-2.06000	-.81130	-1.54960
1.179	20.230	1.08500	-.07290	.13130	.06390	.02670	.00250	.00400	-2.06000	-.89770	-1.61690
1.179	20.610	1.10400	-.07270	.13200	.06370	.02580	.00270	.00390	-2.06000	-1.00760	-1.59410

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 53

LA67 (LTV 552) ORBITER 49-0

(RFD019)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	2.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 5W D. RN/L = 5.07

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.601	-3.690	-.21610	.02960	.05510	.02730	-.03580	.00350	-.00080	1.98000	-.52860	.49890
.598	-2.810	-.17770	.02730	.05850	.02940	-.03870	.00370	-.00120	1.98000	-.46580	.49890
.599	-1.990	-.14220	.02810	.06030	.03120	-.03820	.00370	-.00150	1.98000	-.48930	.52920
.605	-1.230	-.09940	.02780	.06000	.03290	-.03810	.00330	-.00170	1.98000	-.46580	.51410
.603	-.490	-.06710	.02670	.06160	.03420	-.03940	.00320	-.00230	1.98000	-.44220	.52170
.606	.260	-.02530	.02670	.06060	.03400	-.03820	.00310	-.00250	1.98000	-.48150	.48370
.600	1.000	.00480	.02590	.06120	.03270	-.03870	.00350	-.00300	1.98000	-.48150	.50650
.604	1.770	.04470	.02550	.05990	.03340	-.03960	.00330	-.00320	1.98000	-.48930	.51410
.599	2.510	.08380	.02640	.05860	.02980	-.03750	.00350	-.00350	1.98000	-.48150	.46860
.600	3.250	.11640	.02560	.05660	.02840	-.03850	.00370	-.00380	1.98000	-.48150	.48370
.605	4.010	.15470	.02470	.05280	.02710	-.03850	.00310	-.00390	1.98000	-.49150	.49890
.600	4.760	.19290	.02450	.05020	.02330	-.03800	.00330	-.00440	1.98000	-.46580	.46100
.599	5.510	.22150	.02150	.04760	.02040	-.03990	.00330	-.00460	1.98000	-.37940	.44580
.600	6.250	.25910	.02050	.04260	.01620	-.03920	.00310	-.00490	1.98000	-.46580	.44580
.600	7.000	.29940	.02030	.03950	.01260	-.03900	.00310	-.00510	1.98000	-.45000	.42310
.603	7.770	.33480	.02070	.03400	.00920	-.03950	.00290	-.00530	1.98000	-.42650	.43820
.598	8.510	.37670	.01850	.03000	.00340	-.03960	.00320	-.00610	1.97000	-.44220	.41550
.597	9.260	.41870	.01850	.02500	-.00190	-.03950	.00310	-.00670	1.97000	-.41080	.40030
.594	10.020	.45280	.02070	.02030	-.00600	-.03900	.00300	-.00730	1.97000	-.40290	.41550
.602	10.780	.49240	.02180	.01510	-.01040	-.03920	.00280	-.00750	1.97000	-.39510	.43820
.604	11.520	.52680	.02170	.01050	-.01470	-.03900	.00270	-.00770	1.97000	-.40290	.42310
.604	12.270	.56720	.02160	.00600	-.01900	-.03860	.00280	-.00760	1.97000	-.41080	.42310
.598	13.000	.62300	.01810	.00520	-.02270	-.03850	.00430	-.00680	1.97000	-.43430	.33970
.605	13.760	.64750	.01760	.00830	-.01780	-.04180	.00500	-.00410	1.97000	-.39510	.35480
.604	14.490	.68620	.01600	.01070	-.01620	-.04140	.00460	-.00320	1.97000	-.39510	.30930
.600	15.230	.73180	.01290	.01250	-.01530	-.04230	.00410	-.00360	1.97000	-.37940	.25620
.595	15.950	.78020	.01200	.01220	-.01850	-.03950	.00330	-.00480	1.97000	-.48150	.24110
.601	16.700	.81480	.00900	.01260	-.01710	-.03670	.00270	-.00570	1.96000	-.48150	.14250
.594	17.410	.87140	.00450	.01420	-.01890	-.03680	.00320	-.00680	1.96000	-.48930	.08940
.601	18.150	.90540	.00120	.01420	-.01760	-.03690	.00320	-.00710	1.96000	-.48930	.06660
.601	18.860	.94500	-.00200	.01350	-.01900	-.03840	.00360	-.00630	1.96000	-.52860	.05150
.600	19.550	.99600	-.00520	.01270	-.02160	-.03840	.00390	-.00580	1.96000	-.54430	-.00910
.596	20.140	1.04120	-.00350	.01200	-.02540	-.03800	.00450	-.00430	1.96000	-.53840	-.05460
.603	20.360	1.03080	-.00270	.01250	-.02270	-.03850	.00440	-.00270	1.96000	-.55210	-.01670

TABULATED SOURCE DATA. LTV TEST 552. LAB7

PAGE 54

LAB7 (LTV 552) ORBITER 49-0

(RFD020)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	2.000	ALFSHP =	1.000
SDFLAP =	.000	RUDDER =	.000

RUN NO. 55/ 0 RN/L = 7.55

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.595	-3.700	-.20590	.02620	.05440	.02630	-.03960	.00390	-.00040	2.00000	.03570	.69610
.596	-2.810	-.16290	.02710	.05710	.02980	-.04000	.00380	-.00100	2.00000	.09960	.69610
.601	-2.000	-.12380	.02650	.05860	.03230	-.03880	.00390	-.00130	2.00000	.09960	.68850
.602	-1.240	-.09010	.02610	.05960	.03320	-.03870	.00390	-.00150	2.00000	.09960	.68850
.602	-.490	-.05560	.02620	.06020	.03280	-.03860	.00360	-.00190	2.00000	.10740	.71130
.605	.270	-.02320	.02590	.05980	.03300	-.03890	.00380	-.00210	2.00000	.06030	.71130
.603	1.020	.01630	.02610	.05990	.03240	-.03930	.00390	-.00250	2.00000	.15450	.64300
.605	1.790	.05180	.02700	.05890	.03220	-.03930	.00390	-.00360	2.00000	.13100	.70370
.605	2.550	.08710	.02490	.05690	.03060	-.04070	.00390	-.00300	2.00000	.10740	.65060
.604	3.300	.12480	.02350	.05470	.02840	-.04020	.00400	-.00310	2.00000	.14670	.65060
.603	4.070	.16220	.02380	.05220	.02580	-.03920	.00370	-.00410	2.00000	.16240	.71130
.604	4.840	.19810	.02140	.04870	.02300	-.04070	.00370	-.00400	2.00000	.07600	.67330
.603	5.590	.23340	.02120	.04500	.01970	-.04080	.00370	-.00820	2.00000	.04460	.63540
.603	6.360	.26930	.01960	.04080	.01520	-.04060	.00340	-.01060	2.00000	.13880	.65060
.600	7.110	.31290	.01980	.03650	.01080	-.04010	.00340	-.00790	2.00000	.17020	.63540
.600	7.860	.34910	.01860	.03190	.00660	-.04040	.00340	-.00590	2.00000	.15450	.61270
.600	8.630	.38630	.01940	.02710	.00150	-.03900	.00350	-.00560	2.00000	.06030	.64300
.602	9.390	.42430	.01770	.02180	-.00450	-.03980	.00360	-.00580	2.00000	.16240	.58230
.603	10.130	.46230	.01710	.01670	-.00730	-.03980	.00360	-.00710	2.00000	.19380	.56720
.601	10.910	.50140	.01710	.01140	-.01440	-.03960	.00350	-.00690	1.99000	.17020	.50650
.601	11.670	.54250	.02020	.00620	-.02060	-.03870	.00340	-.00720	1.99000	.17020	.55960
.602	12.410	.58190	.01820	.00160	-.02490	-.03970	.00330	-.00710	1.99000	.20950	.49890
.602	13.170	.62180	.01680	.00040	-.02630	-.03960	.00430	-.00640	1.99000	.17020	.51410
.601	13.900	.66310	.01440	.00140	-.02490	-.04230	.00480	-.00450	1.99000	.13880	.43820
.600	14.650	.69750	.01290	.00350	-.02340	-.04170	.00430	-.00430	1.99000	.09960	.32450
.600	15.400	.73710	.01300	.00440	-.02460	-.03950	.00380	-.00430	1.99000	-.01030	.25620
.600	16.120	.77380	.01100	.00460	-.02360	-.03890	.00320	-.00460	1.99000	-.08100	.13490
.598	16.870	.81000	.01130	.00560	-.02480	-.03770	.00250	-.00500	1.99000	-.20660	-.03190
.599	17.590	.85800	.00770	.00740	-.02290	-.03710	.00260	-.00470	1.99000	-.33230	-.16840
.599	18.310	.89730	.00280	.00850	-.02400	-.03800	.00290	-.00480	1.99000	-.33230	-.21390
.599	19.050	.94370	.00000	.00890	-.02460	-.03790	.00350	-.00460	1.98000	-.41860	-.28970
.598	19.740	.98540	-.00180	.00840	-.02720	-.03920	.00420	-.00380	1.99000	-.45000	-.32000
.597	20.320	1.02150	-.00330	.00750	-.02950	-.04170	.00480	-.00330	1.99000	-.56000	-.32760

ORBITER 49-0

LA67

(12004)

PARAMETRIC DATA

ELVON =	-10.000	AILRON =	0.000
SPBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCPPOS =	1.000
BETA =	0.000	ALFAP =	1.000
BOFLAP =	0.000	RUOER =	0.000

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ALPHA	CN	CLM	CA	CAB	CV	CYN	CBL	BETA	ELVN-L	ELVN-R
.612	-4.230	.11170	.05590	.03380	-.00090	.00060	.00250	.00000	-9.34750	-8.92760
.610	-3.850	.37720	.05700	.03510	-.00090	.00060	.00260	.00000	-9.33180	-8.94280
.609	-3.220	-.34540	.10820	.05890	-.00100	.00040	.00260	.00000	-9.32390	-9.00350
.608	-2.590	-.31470	.10780	.03890	-.00150	.00050	.00230	.00000	-9.31610	-8.94280
.607	-2.030	-.28710	.10660	.06180	-.00150	.00050	.00230	.00000	-9.32390	-8.95800
.606	-1.480	-.26020	.10560	.06280	-.00130	.00040	.00210	.00000	-9.31610	-8.95040
.604	-.390	-.23390	.10480	.06150	-.00130	.00050	.00230	.00000	-9.30820	-9.00350
.604	-.390	-.20770	.10450	.04150	-.00210	.00030	.00200	.00000	-9.29250	-8.95800
.604	-.130	-.18210	.10330	.06420	-.00170	.00050	.00200	.00000	-9.28470	-8.98070
.604	.670	-.15790	.10300	.04640	-.00160	.00050	.00200	.00000	-9.26110	-8.98070
.605	1.230	-.13220	.10280	.06370	-.00250	.00030	.00170	.00000	-9.24540	-8.98830
.606	2.860	-.10550	.10200	.04200	-.00260	.00060	.00170	.00000	-9.29250	-9.03380
.606	2.310	-.08710	.10270	.06660	-.00270	.00040	.00180	.00000	-9.30820	-9.00350
.606	3.400	-.06150	.10200	.04000	-.00270	.00060	.00180	.00000	-9.24540	-8.98830
.606	3.940	-.04990	.10090	.05860	-.00370	.00070	.00180	.00000	-9.27680	-9.04140
.607	4.490	-.001970	.10050	.036070	-.00480	.00080	.00170	.00000	-9.25330	-9.06070
.609	5.050	.04920	.09950	.03390	-.00320	.00050	.00180	.00000	-9.30840	-9.04140
.609	5.600	.07310	.09900	.03160	-.00360	.00050	.00160	.00000	-9.22190	-9.00350
.608	6.130	.09710	.09850	.02870	-.00440	.00070	.00140	.00000	-9.28470	-9.00350
.610	6.680	.12430	.09820	.02300	-.00420	.00060	.00150	.00000	-9.26110	-9.04140
.609	7.230	.15240	.09820	.04320	-.00430	.00070	.00150	.00000	-9.28470	-9.00350
.611	7.800	.18010	.09700	.03360	-.00350	.00050	.00140	.00000	-9.23760	-9.04140
.609	8.350	.20780	.09700	.03650	-.00460	.00060	.00140	.00000	-9.23760	-9.01870
.609	8.880	.23440	.09700	.01290	-.00460	.00080	.00130	.00000	-9.27680	-8.99390
.610	9.440	.26180	.09710	.00940	-.00470	.00070	.00150	.00000	-9.19830	-9.02620
.607	9.980	.28780	.09790	.02580	-.00400	.00070	.00130	.00000	-9.21400	-9.04140
.608	10.520	.31340	.09760	.00180	-.00350	.00060	.00140	.00000	-9.29250	-9.01870
.607	11.070	.34180	.09620	.00180	-.00290	.00050	.00120	.00000	-9.26110	-9.01870
.608	11.610	.36940	.09780	.00130	-.00560	.00020	.00100	.00000	-9.25330	-9.02620
.608	12.150	.39600	.09830	.00880	-.00380	.00030	.00060	.00000	-9.27680	-9.04140
.607	12.720	.42390	.09940	.01250	-.00410	.00000	.00000	.00000	-9.30040	-9.00350
.606	13.250	.45560	.09980	.01620	-.00340	.00010	.00020	.00000	-9.19830	-9.07170
.608	13.780	.48060	.09750	.00200	-.00520	.00090	.00030	.00000	-9.22970	-9.01870
.605	14.340	.51440	.09690	.00410	-.00470	.00110	.00000	.00000</		

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD021)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	7.500
CRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

		RUN NO.	29/ 0	RN/L = 7.65							
MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.606	18.590	.74970	.08270	.00990	-.01520	-.00030	-.00120	.00030	.00000	-9.35540	-9.20820
.606	19.100	.77860	.08010	.01030	-.01560	-.00140	-.00080	.00080	.00000	-9.38680	-9.25370
.605	19.610	.81290	.07680	.01080	-.01620	-.00150	-.00060	.00160	.00000	-9.41820	-9.23860
.605	20.130	.84830	.07490	.01030	-.01720	-.00110	-.00050	.00220	.00000	-9.45740	-9.29930
.605	20.610	.87850	.07330	.00970	-.01860	-.00210	-.00030	.00260	.00000	-9.44960	-9.28410
.604	20.980	.90300	.07270	.00930	-.02010	-.00370	.00000	.00260	.00000	-9.41030	-9.28410

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 57

LA67 (LTV 552) ORBITER 49-0

(RFD521)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1029/ 0 RN/L = 7.60

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.601	-4.240	-.39050	.10870	.05550	.03350	-.00180	.00010	.00220	.00000	-9.30820	-9.10210
.600	-4.000	-.37940	.10770	.05650	.03490	-.00200	.00030	.00220	.00000	-9.33180	-9.08690
.598	-3.750	-.36800	.10750	.05740	.03500	-.00050	.00030	.00230	.00000	-9.31610	-9.12480
.599	-3.410	-.35150	.10630	.05830	.03650	-.00240	.00040	.00220	.00000	-9.30820	-9.07930
.599	-2.990	-.32830	.10510	.05940	.03760	-.00280	.00040	.00230	.00000	-9.30040	-9.13240
.600	-2.490	-.30370	.10450	.06070	.03910	-.00250	.00040	.00220	.00000	-9.30820	-9.14760
.599	-1.950	-.27570	.10410	.06170	.04010	-.00120	.00050	.00210	.00000	-9.37110	-9.09450
.598	-1.400	-.25240	.10330	.06270	.04070	-.00210	.00030	.00200	.00000	-9.37110	-9.07170
.598	-.850	-.22780	.10220	.06320	.04140	-.00300	.00020	.00180	.00000	-9.43390	-9.13240
.600	-.310	-.19920	.10120	.06340	.04220	-.00220	.00020	.00170	.00000	-9.47310	-9.11720
.598	.240	-.17320	.10110	.06370	.04200	-.00260	.00020	.00170	.00000	-9.37110	-9.06420
.598	.800	-.14820	.10070	.06350	.04190	-.00360	.00030	.00170	.00000	-9.47310	-9.10970
.600	1.350	-.12070	.10020	.06290	.04200	-.00240	.00040	.00150	.00000	-9.44170	-9.12480
.599	1.930	-.09530	.10010	.06240	.04120	-.00350	.00040	.00170	.00000	-9.48100	-9.06420
.601	2.490	-.06820	.09960	.06130	.04090	-.00250	.00040	.00150	.00000	-9.44170	-9.07170
.599	3.070	-.04160	.09960	.06010	.03930	-.00380	.00050	.00160	.00000	-9.48100	-9.05660
.602	3.640	-.01410	.09900	.05840	.03840	-.00290	.00060	.00150	.00000	-9.38680	-9.05660
.602	4.220	.01190	.09810	.05640	.03660	-.00280	.00060	.00150	.00000	-9.42600	-9.06420
.603	4.790	.03990	.09740	.05420	.03470	-.00340	.00060	.00130	.00000	-9.41820	-9.08690
.601	5.390	.06670	.09700	.05200	.03190	-.00380	.00050	.00130	.00000	-9.39460	-9.05660
.604	5.950	.09220	.09580	.04920	.02980	-.00380	.00050	.00120	.00000	-9.48890	-9.10210
.603	6.550	.12030	.09500	.04610	.02600	-.00440	.00030	.00130	.00000	-9.48890	-9.07170
.605	7.130	.14890	.09490	.04270	.02310	-.00510	.00030	.00110	.00000	-9.48100	-9.10210
.605	7.720	.17930	.09570	.03910	.01950	-.00420	.00040	.00110	.00000	-9.41820	-9.04900
.607	8.310	.20660	.09510	.03560	.01630	-.00440	.00050	.00090	.00000	-9.47310	-9.10970
.605	8.920	.23860	.09610	.03200	.01220	-.00370	.00050	.00090	.00000	-9.45740	-9.06420
.607	9.510	.26740	.09570	.02800	.00840	-.00420	.00040	.00090	.00000	-9.44960	-9.12480
.608	10.110	.29860	.09640	.02420	.00430	-.00370	.00030	.00090	.00000	-9.47310	-9.08690
.607	10.720	.32810	.09670	.02030	.00010	-.00420	.00030	.00090	.00000	-9.47310	-9.07170
.610	11.300	.35550	.09600	.01660	-.00310	-.00450	.00020	.00060	.00000	-9.47310	-9.14760
.611	11.910	.38760	.09690	.01290	-.00710	-.00390	.00020	.00050	.00000	-9.44960	-9.12480
.609	12.520	.42050	.09770	.00960	-.01150	-.00370	.00000	.00010	.00000	-9.50460	-9.10210
.609	13.140	.45220	.09700	.00700	-.01460	-.00480	.00010	-.00010	.00000	-9.48890	-9.14760
.611	13.740	.48310	.09630	.00570	-.01600	-.00360	.00050	-.00030	.00000	-9.44960	-9.17790
.610	14.360	.51800	.09470	.00560	-.01640	-.00410	.00070	-.00010	.00000	-9.41030	-9.18550
.609	14.980	.55390	.09410	.00580	-.01720	-.00480	.00030	.00030	.00000	-9.52030	-9.14760
.610	15.570	.58370	.09230	.00650	-.01650	-.00360	-.00010	.00060	.00000	-9.48100	-9.20070
.608	16.190	.61970	.09050	.00710	-.01710	-.00230	-.00050	.00060	.00000	-9.44960	-9.23860
.608	16.800	.65150	.08860	.00790	-.01680	-.00160	-.00100	.00030	.00000	-9.47310	-9.25370
.609	17.410	.68310	.08660	.00900	-.01570	-.00060	-.00120	.00020	.00000	-9.48100	-9.22340
.607	18.030	.72400	.08470	.00990	-.01610	.00010	-.00120	.00020	.00000	-9.45740	-9.23860
.607	18.640	.76100	.08130	.01050	-.01630	.00010	-.00100	.00060	.00000	-9.48890	-9.26130

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 58

LA67 (LTV 552) ORBITER 49-0

(RFD521)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1029/ 0 RN/L = 7.60

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.607	19.220	.79690	.07810	.01090	-.01660	-.00180	-.00080	.00110	.00000	-9.48100	-9.29930
.606	19.780	.83200	.07490	.01120	-.01730	-.00230	-.00060	.00180	.00000	-9.48890	-9.32200
.607	20.320	.86230	.07390	.01090	-.01770	-.00180	-.00040	.00240	.00000	-9.50460	-9.32200
.605	20.730	.89030	.07270	.01070	-.01840	-.00360	-.00010	.00250	.00000	-9.52810	-9.33720
.605	21.000	.90560	.07240	.01030	-.01900	-.00230	.00000	.00270	.00000	-9.49670	-9.34480

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 59

LA67 (LTV 552) ORBITER 49-0

(RFD022)

PARAMETRIC DATA

ELEVON *	-10.000	AILRON *	.000
SPDRK *	25.000	RN/L *	10.000
GRITNO *	120.000	RCSPOS *	.000
BETA *	.000	ALFSWP *	1.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 17/ 0 RN/L = 10.07

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.907	-.090	-.18850	.12550	.09060	.06110	-.00140	.00000	.00060	.00000	-7.58840	-7.64600
.904	.240	-.16990	.12290	.09020	.06030	-.00130	.00010	.00070	.00000	-7.62770	-7.63840
.904	.920	-.12860	.11910	.08910	.05980	-.00180	.00010	.00080	.00000	-7.62770	-7.58530
.902	1.650	-.08390	.11460	.08830	.05890	-.00130	.00000	.00090	.00000	-7.63550	-7.60050
.902	2.300	-.04440	.10930	.08750	.05770	-.00150	.00000	.00100	.00000	-7.69050	-7.59290
.902	2.910	-.00180	.10470	.08690	.05720	-.00160	.00010	.00090	.00000	-7.65130	-7.62320
.903	3.530	.03650	.09920	.08600	.05710	-.00140	.00020	.00090	.00000	-7.69840	-7.67630
.903	4.160	.07940	.09380	.08470	.05580	-.00170	.00020	.00080	.00000	-7.71410	-7.69150
.903	4.780	.11860	.08930	.08440	.05600	-.00140	.00010	.00080	.00000	-7.71410	-7.65360
.904	5.400	.15480	.08570	.08360	.05510	-.00220	.00030	.00070	.00000	-7.76120	-7.72940
.903	6.000	.18760	.08420	.08350	.05530	-.00260	.00020	.00060	.00000	-7.71410	-7.72160
.904	6.610	.21800	.08260	.08270	.05490	-.00270	.00030	.00070	.00000	-7.76900	-7.69150
.903	7.220	.25290	.07860	.08150	.05360	-.00350	.00050	.00110	.01000	-7.82400	-7.75220
.904	7.830	.27910	.07820	.08040	.05240	-.00270	.00010	-.00030	.00000	-7.76120	-7.75970
.904	8.450	.30850	.07790	.08020	.05240	-.00190	-.00020	-.00100	.00000	-7.78480	-7.83560
.903	9.050	.33630	.07780	.07970	.05200	-.00260	-.00040	-.00100	.00000	-7.80830	-7.79010
.902	9.650	.36520	.07620	.07890	.05070	-.00230	-.00030	-.00070	.00000	-7.80830	-7.82800
.902	10.260	.39880	.07580	.07830	.04990	-.00180	-.00050	-.00030	.00000	-7.80830	-7.81280
.903	10.860	.42790	.07350	.07820	.04940	-.00230	-.00030	.00040	.00000	-7.81620	-7.82800
.901	11.460	.45810	.07030	.07810	.04890	-.00310	.00000	.00070	.01000	-7.83190	-7.84320
.900	12.070	.48920	.06900	.07820	.04790	-.00260	-.00010	.00070	.00000	-7.82400	-7.88870
.902	12.690	.51630	.06840	.07850	.04850	-.00220	-.00040	.00070	.00000	-7.82400	-7.83560
.900	13.280	.54420	.06820	.07880	.04760	.00000	-.00100	.00080	.00000	-7.80050	-7.87350
.901	13.860	.57120	.06570	.07900	.04730	.00000	-.00140	.00100	.00000	-7.87110	-7.90380
.902	14.450	.59760	.06180	.07960	.04700	-.00060	-.00110	.00090	.00000	-7.95750	-7.94930
.900	15.080	.62950	.05920	.08040	.04680	.00010	-.00120	.00050	.00000	-7.97320	-7.98730
.901	15.680	.65880	.05770	.08080	.04630	.00010	-.00120	.00050	.00000	-8.02030	-8.01760
.903	16.250	.68320	.05690	.08090	.04570	-.00060	-.00120	.00010	.00000	-8.00460	-8.06310
.901	16.860	.71200	.05730	.08120	.04470	-.00060	-.00130	-.00020	.00000	-8.08320	-8.10860
.903	17.450	.73920	.05840	.08150	.04420	-.00010	-.00120	-.00030	.00000	-8.06750	-8.07830
.901	18.050	.76600	.06050	.08160	.04230	-.00170	-.00110	-.00010	.00000	-8.13030	-8.12380
.900	18.640	.79310	.06330	.08190	.04090	-.00260	-.00090	.00000	.01000	-8.16170	-8.10860
.901	19.220	.81350	.06600	.08210	.03920	-.00290	-.00070	.00040	.01000	-8.17740	-8.16170
.901	19.790	.83480	.06870	.08230	.03730	-.00390	-.00060	.00100	.01000	-8.27100	-8.20720
.901	20.360	.85520	.07200	.08240	.03540	-.00410	-.00080	.00090	.01000	-8.24020	-8.23750
.900	20.920	.87550	.07540	.08260	.03370	-.00440	-.00110	.00060	.01000	-8.24020	-8.24510
.898	21.460	.89760	.08110	.08300	.03220	-.00190	-.00200	.00000	.00000	-8.22450	-8.27540
.899	21.840	.90880	.08610	.08310	.03110	-.00070	-.00250	-.00010	.00000	-8.28730	-8.26030

LA67 (LTV 552) ORBITER 49-0

(RFD022)

PARAMETRIC DATA

ELEVON *	-10.000	AILRON *	.000
SPDBRK *	25.000	RN/L *	10.000
GRITNO *	120.000	RCSPDS *	.000
BETA *	.000	ALFSWP *	1.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 26/ 0 RN/L = 10.25

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.195	- .030	- .10210	.09280	.15880	.10260	-.00690	.00220	.00040	.01000	-7.57270	-7.35020
1.199	.580	-.06240	.08290	.15790	.10250	-.00670	.00220	.00040	.01000	-7.61200	-7.35020
1.202	1.330	-.01540	.07210	.15670	.10170	-.00650	.00230	.00020	.01000	-7.61980	-7.33500
1.201	2.020	.03110	.06310	.15630	.10170	-.00700	.00210	.00000	.02000	-7.62770	-7.39570
1.202	2.670	.07270	.05430	.15580	.10140	-.00680	.00200	.00000	.02000	-7.67480	-7.35020
1.199	3.270	.11050	.04770	.15530	.10070	-.00680	.00190	.00000	.02000	-7.68270	-7.38810
1.197	3.890	.14840	.04050	.15500	.10020	-.00680	.00190	.00000	.02000	-7.65120	-7.39570
1.196	4.530	.18550	.03440	.15390	.09850	-.00690	.00180	-.00020	.02000	-7.68270	-7.45640
1.196	5.140	.22290	.02680	.15340	.09830	-.00640	.00170	-.00020	.02000	-7.75330	-7.44880
1.197	5.780	.25950	.02030	.15220	.09700	-.00650	.00170	-.00040	.02000	-7.72190	-7.49430
1.197	6.380	.29530	.01500	.15130	.09610	-.00680	.00170	-.00050	.02000	-7.72190	-7.55500
1.197	7.010	.32990	.01070	.15030	.09490	-.00650	.00150	-.00060	.02000	-7.75330	-7.61560
1.197	7.640	.36430	.00610	.14910	.09340	-.00610	.00140	-.00080	.02000	-7.76120	-7.66120
1.198	8.260	.39950	.00360	.14770	.09120	-.00610	.00120	-.00090	.02000	-7.80050	-7.69150
1.198	8.890	.43330	-.00040	.14600	.08940	-.00550	.00110	-.00070	.02000	-7.84760	-7.66870
1.197	9.520	.46910	-.00280	.14420	.08730	-.00560	.00080	-.00060	.02000	-7.90250	-7.74460
1.196	10.130	.50530	-.00620	.14320	.08640	-.00490	.00070	-.00040	.01000	-7.89470	-7.78250
1.196	10.750	.53990	-.00840	.14190	.08450	-.00430	.00050	-.00070	.01000	-7.93400	-7.83560
1.196	11.390	.57380	-.00980	.14080	.08260	-.00390	.00020	-.00120	.01000	-8.02820	-7.83560
1.195	12.010	.60630	-.01170	.13990	.08160	-.00310	.00000	-.00150	.01000	-8.14600	-7.95690
1.197	12.640	.64060	-.01480	.13820	.07980	-.00270	.00010	-.00140	.01000	-8.28730	-8.03280
1.197	13.270	.67580	-.01780	.13700	.07890	-.00340	.00050	-.00100	.01000	-8.53860	-8.18440
1.196	13.890	.71170	-.02110	.13670	.07890	-.00300	.00030	-.00100	.01000	-8.80560	-8.32090
1.196	14.500	.74430	-.02290	.13630	.07820	-.00250	.00010	-.00100	.01000	-9.08050	-8.39680
1.196	15.130	.77430	-.02350	.13550	.07740	-.00140	-.00030	-.00140	.01000	-9.19830	-8.57120
1.195	15.740	.80810	-.02560	.13510	.07660	-.00140	-.00030	-.00130	.01000	-9.38680	-8.75320
1.194	16.350	.84290	-.02920	.13500	.07560	-.00160	-.00010	-.00090	.01000	-9.59090	-9.19310
1.194	16.970	.87550	-.03010	.13390	.07420	-.00210	.00000	-.00090	.01000	-9.59880	-9.41300
1.193	17.570	.90510	-.03160	.13350	.07290	-.00160	.00000	-.00080	.01000	-9.75590	-9.61020
1.194	18.190	.93090	-.03090	.13230	.07140	-.00170	-.00020	-.00080	.01000	-9.94430	-9.76940
1.194	18.780	.95840	-.03100	.13160	.06970	-.00150	-.00040	-.00070	.01000	-10.14850	-9.85290
1.194	19.370	.98370	-.02990	.13080	.06850	-.00140	-.00040	-.00050	.01000	-10.25840	-10.01210
1.194	19.960	1.01060	-.02820	.13010	.06710	-.00100	-.00050	-.00040	.01000	-10.44690	-10.55820
1.195	20.560	1.03370	-.02670	.12940	.06620	-.00050	-.00070	-.00050	.01000	-10.57260	-12.37830
1.195	21.120	1.05660	-.02500	.12930	.06500	-.00020	-.00080	-.00060	.01000	-10.73750	-10.52220

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD023)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 28/ 0 RN/L = 7.71

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.616	-4.200	-.15800	-.00890	.05510	.02890	.00000	.00050	.00100	.00000	5.03120	5.14020
.617	-3.910	-.14460	-.00920	.05580	.03060	-.00220	.00030	.00070	.00000	5.03120	5.17810
.616	-3.290	-.11580	-.00860	.05770	.03250	-.00200	.00040	.00080	.00000	5.02340	5.17050
.614	-2.630	-.08400	-.00820	.05960	.03390	-.00110	.00050	.00080	.00000	5.00770	5.10990
.615	-2.060	-.05740	-.00870	.06040	.03510	-.00170	.00040	.00100	.00000	5.03120	5.12500
.614	-1.510	-.03360	-.00850	.06160	.03670	-.00240	.00040	.00070	.00000	4.95270	5.17050
.613	-.990	-.00770	-.00890	.06190	.03670	-.00340	.00050	.00070	.00000	5.02340	5.17810
.613	-.440	.01550	-.00880	.06210	.03700	-.00230	.00040	.00070	.00000	5.03120	5.15540
.611	.100	.04150	-.00860	.06220	.03680	-.00150	.00020	.00070	.00000	5.03120	5.16290
.611	.650	.06730	-.00900	.06190	.03700	-.00180	.00020	.00060	.00000	4.99980	5.14020
.612	1.180	.09250	-.01030	.06110	.03670	-.00340	.00010	.00040	.00000	5.02340	5.11740
.610	1.710	.11870	-.01100	.06040	.03560	-.00250	.00030	.00030	.00000	4.99200	5.10230
.611	2.280	.14440	-.01160	.05920	.03430	-.00250	.00020	.00040	.00000	4.99200	5.09470
.611	2.820	.17190	-.01210	.05780	.03270	-.00330	.00000	.00030	.00000	4.98410	5.10230
.611	3.370	.19850	-.01250	.05600	.03140	-.00320	.00000	.00010	.00000	4.96840	5.14020
.611	3.920	.22450	-.01250	.05420	.03020	-.00320	.00020	.00000	.00000	4.92910	5.15540
.612	4.460	.25010	-.01280	.05180	.02790	-.00330	.00030	.00020	.00000	4.93700	5.15540
.614	5.010	.27490	-.01370	.04950	.02630	-.00290	.00040	.00010	.00000	4.99200	5.14780
.612	5.570	.30310	-.01400	.04700	.02340	-.00310	.00050	.00000	.00000	5.00770	5.14020
.614	6.100	.32930	-.01550	.04370	.02090	-.00290	.00020	.00000	.00000	5.02340	5.09470
.613	6.660	.35440	-.01630	.04090	.01810	-.00280	.00060	.00010	.00000	4.93700	5.07950
.614	7.190	.38240	-.01720	.03750	.01450	-.00210	.00050	.00020	.00000	5.02340	5.07950
.614	7.760	.41130	-.01760	.03390	.01130	-.00350	.00030	.00000	.00000	4.99200	5.10990
.614	8.300	.44150	-.01830	.03030	.00780	-.00320	.00020	.00020	.00000	4.98410	5.10230
.613	8.850	.46680	-.01780	.02720	.00420	-.00340	.00030	.00010	.00000	4.95270	5.05680
.613	9.400	.49660	-.01810	.02360	.00060	-.00330	.00020	.00010	.00000	4.92910	5.09470
.613	9.930	.52300	-.01810	.01990	-.00260	-.00280	.00040	.00020	.00000	4.96840	5.07190
.614	10.490	.55000	-.01680	.01610	-.00620	-.00360	.00040	.00000	.00000	4.92910	5.03400
.613	11.050	.57820	-.01620	.01260	-.00990	-.00360	.00030	-.00010	.00000	4.92910	5.03400
.613	11.600	.60680	-.01580	.00900	-.01340	-.00390	.00020	-.00030	.00000	4.87420	5.04920
.613	12.130	.63840	-.01610	.00620	-.01690	-.00390	.00000	-.00020	.00000	4.74070	5.05580
.612	12.680	.66880	-.01680	.00450	-.01930	-.00440	.00030	-.00070	.00000	4.68570	5.04920
.612	13.220	.69820	-.01720	.00360	-.01980	-.00420	.00080	-.00010	.00000	4.65430	4.98850
.612	13.760	.72260	-.01840	.00440	-.01940	-.00430	.00100	.00090	.00000	4.59930	5.01890
.612	14.320	.74850	-.01870	.00570	-.01840	-.00380	.00050	.00090	.00000	4.49720	4.97340
.612	14.860	.77430	-.01940	.00690	-.01790	-.00290	.00000	.00020	.00000	4.42660	4.98090
.610	15.360	.80110	-.02070	.00850	-.01720	-.00290	-.00050	-.00020	.00000	4.41870	4.98850
.610	15.910	.82890	-.02180	.00960	-.01630	-.00170	-.00090	.00000	.00000	4.33230	4.95820
.610	16.430	.85980	-.02420	.01100	-.01690	-.00130	-.00090	.00020	.00000	4.26950	4.92030
.609	16.960	.88590	-.02640	.01290	-.01550	-.00040	-.00090	.00010	.00000	4.27740	4.80650
.610	17.520	.91970	-.02930	.01440	-.01470	-.00020	-.00090	-.00010	.00000	4.23020	4.80650
.609	18.050	.95600	-.03330	.01540	-.01500	.00000	-.00070	.00000	.00000	4.18310	4.73830

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD023)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 28/ 0 RN/L = 7.71

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.609	18.560	.98860	-.03680	.01640	-.01550	-.00130	-.00060	.00090	.00000	4.15960	4.65480
.610	19.100	1.01990	-.03970	.01750	-.01470	-.00030	-.00050	.00190	.00000	4.12810	4.57900
.610	19.610	1.05290	-.04300	.01710	-.01560	-.00090	.00000	.00220	.00000	4.00250	4.58660
.611	20.110	1.08350	-.04490	.01590	-.01760	-.00170	.00010	.00260	.00000	4.02610	4.54870
.611	20.600	1.11370	-.04590	.01510	-.01930	-.00230	.00030	.00290	.00000	4.04960	4.49560
.609	21.010	1.14440	-.04740	.01420	-.02190	-.00410	.00040	.00320	.00000	4.01040	4.47280
.609	21.240	1.15920	-.04700	.01400	-.02250	-.00350	.00050	.00330	.00000	3.98680	4.49560

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD523)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSMP =	2.000
SDFLAP =	.000	RUDDER =	.000

RUN NO. 1028/ 0 RN/L = 7.66

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.606	-4.050	-.15110	-.00780	.05500	.02940	-.00140	.00030	.00030	.00000	4.66210	4.86720
.605	-3.570	-.12820	-.00780	.05640	.03110	-.00100	.00050	.00020	.00000	4.63860	4.91270
.605	-2.710	-.08910	-.00770	.05860	.03350	-.00100	.00040	.00010	.00000	4.64640	4.92790
.603	-1.640	-.04130	-.00810	.06060	.03490	-.00230	.00050	.00020	.00000	4.70930	4.89750
.605	-.560	.00960	-.00850	.06120	.03630	-.00280	.00030	.00000	.00000	4.59930	4.85200
.603	.560	.06050	-.00840	.06100	.03550	-.00270	.00030	.00010	.00000	4.62290	4.91270
.603	1.670	.11350	-.01010	.05940	.03460	-.00370	.00020	.00000	.00000	4.59930	4.91270
.606	2.780	.16600	-.01080	.05660	.03300	-.00340	.00030	-.00030	.00000	4.59150	4.85200
.607	3.900	.21950	-.01150	.05290	.02980	-.00320	.00020	-.00050	.00000	4.53650	4.86720
.606	5.010	.27310	-.01300	.04840	.02500	-.00350	.00040	-.00060	.00000	4.55220	4.88240
.609	6.150	.32880	-.01360	.04250	.01960	-.00250	.00040	-.00090	.00000	4.44230	4.89750
.609	7.320	.38510	-.01500	.03560	.01270	-.00350	.00250	-.00080	.00000	4.44230	4.82930
.612	8.480	.44430	-.01580	.02830	.00590	-.00310	.00060	-.00090	.00000	4.35590	4.82930
.614	9.660	.50470	-.01550	.02070	-.00140	-.00310	.00040	-.00070	.00000	4.24590	4.82930
.614	10.860	.55830	-.01510	.01300	-.00980	-.00290	.00030	-.00080	.00000	4.31660	4.85200
.617	12.050	.62960	-.01430	.00710	-.01600	-.00260	.00030	-.00090	.00000	4.24590	4.78380
.617	13.250	.69430	-.01620	.00530	-.01890	-.00360	.00060	-.00360	.00000	4.12030	4.79130
.617	14.460	.75230	-.01820	.00770	-.01770	-.00330	.00050	.00030	.00000	4.08890	4.66240
.614	15.680	.81920	-.02200	.01050	-.01700	-.00250	-.00050	-.00030	.00000	4.08890	4.60930
.616	16.880	.88470	-.02770	.01380	-.01510	-.00070	-.00070	-.00010	.00000	3.97110	4.55620
.615	18.090	.95640	-.03440	.01640	-.01480	-.00020	-.00050	.00020	.00000	3.93180	4.51830
.612	19.280	1.03930	-.04310	.01760	-.01590	-.00200	-.00020	.00200	.00000	3.97890	4.45770
.610	20.350	1.10290	-.04700	.01620	-.01910	-.00260	.00000	.00280	.00000	3.94750	4.44250
.612	21.060	1.14650	-.04740	.01490	-.02060	-.00220	.00040	.00300	.00000	3.90040	4.46520

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD024)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 16/ 0 RN/L = 10.04

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.912	-.060	.01000	-.00220	.08240	.04760	-.00230	.00050	.00090	.00000	4.93700	5.24640
.911	.200	.02150	-.00360	.08230	.04750	-.00250	.00060	.00080	.00000	4.92920	5.29950
.910	.860	.06540	-.00790	.08180	.04780	-.00290	.00050	.00070	.00000	4.96060	5.26150
.908	1.590	.11310	-.01270	.08080	.04740	-.00250	.00040	.00070	.00000	4.98410	5.32220
.905	2.280	.15700	-.01640	.08020	.04720	-.00260	.00040	.00050	.00000	4.95270	5.29950
.902	2.830	.19180	-.01990	.07930	.04590	-.00310	.00050	.00020	.00000	4.93700	5.28430
.900	3.490	.22660	-.02200	.07810	.04510	-.00340	.00040	.00020	.01000	4.91340	5.30700
.898	4.110	.25920	-.02270	.07740	.04490	-.00350	.00050	.00050	.01000	4.94490	5.26910
.899	4.710	.28840	-.02270	.07670	.04410	-.00270	.00040	.00050	.00000	4.95270	5.28430
.901	5.350	.32180	-.02360	.07610	.04410	-.00300	.00030	.00020	.01000	4.90560	5.22360
.899	5.950	.35250	-.02510	.07560	.04310	-.00360	.00050	.00010	.01000	4.90560	5.24640
.900	6.570	.38260	-.02530	.07490	.04270	-.00370	.00040	.00010	.01000	4.87420	5.26910
.899	7.180	.41190	-.02600	.07430	.04210	-.00370	.00050	.00030	.01000	4.81140	5.19330
.899	7.780	.44150	-.02690	.07360	.04130	-.00360	.00050	-.00010	.01000	4.80350	5.17810
.902	8.420	.47060	-.02620	.07320	.04140	-.00240	.00000	-.00160	.00000	4.72500	5.22360
.900	9.010	.50090	-.02850	.07300	.04020	-.00170	-.00010	-.00200	.00000	4.66220	5.14020
.902	9.630	.52840	-.02930	.07260	.04020	-.00240	-.00030	-.00180	.01000	4.58360	5.14020
.900	10.240	.56420	-.03080	.07260	.03930	-.00150	-.00030	-.00150	.00000	4.56790	5.10990
.900	10.840	.59510	-.03290	.07250	.03870	-.00150	-.00030	-.00130	.00000	4.53650	5.07190
.899	11.430	.62030	-.03390	.07280	.03850	-.00230	-.00010	-.00050	.00000	4.40300	5.04920
.899	12.050	.64580	-.03500	.07320	.03850	-.00280	-.00010	-.00010	.01000	4.36370	4.97340
.900	12.630	.67380	-.03600	.07340	.03810	-.00190	-.00040	.00010	.00000	4.23810	4.86720
.899	13.240	.70060	-.03750	.07430	.03820	-.00100	-.00070	.00010	.00000	4.13600	4.72310
.900	13.850	.73260	-.04130	.07520	.03830	-.00020	-.00120	.00010	.00000	4.00250	4.60170
.899	14.450	.76600	-.04650	.07670	.03870	.00010	-.00120	.00000	.00000	3.85330	4.45010
.900	15.040	.79760	-.05030	.07770	.03850	-.00090	-.00110	-.00010	.00000	3.74330	4.37420
.899	15.650	.82890	-.05250	.07840	.03870	-.00070	-.00090	.00000	.00000	3.50780	4.29840
.898	16.240	.85810	-.05310	.07840	.03730	-.00180	-.00080	.00000	.00000	3.42920	4.29840
.898	16.830	.88540	-.05260	.07880	.03700	-.00230	-.00080	-.00010	.01000	3.39780	4.26050
.898	17.450	.91390	-.05250	.07930	.03650	-.00290	-.00080	.00000	.01000	3.31930	4.24530
.899	18.040	.94050	-.05060	.07940	.03600	-.00350	-.00040	.00000	.01000	3.27220	4.25290
.899	18.640	.96910	-.04820	.07960	.03480	-.00420	-.00030	.00000	.01000	3.28000	4.21500
.898	19.230	.99350	-.04410	.08010	.03340	-.00360	-.00020	.00040	.01000	3.20150	4.18460
.899	19.810	1.01040	-.03990	.08080	.03170	-.00510	.00000	.00090	.01000	3.18580	4.20740
.897	20.370	1.03250	-.03550	.08160	.02880	-.00500	-.00020	.00140	.01000	3.13870	4.17710
.897	20.930	1.04600	-.02950	.08260	.02720	-.00380	-.00070	.00100	.01000	3.09150	4.16190
.896	21.460	1.06020	-.02270	.08400	.02620	-.00020	-.00190	.00030	.00000	3.09150	4.09360
.897	21.880	1.07210	-.01820	.08470	.02490	.00190	-.00260	.00000	.00000	3.15440	4.11640

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD024)

PARAMETRIC DATA

ELEVON	5.000	AILRON	.000
SPOBRK	25.000	RN/L	10.000
GRITNO	120.000	RCSPDS	.000
BETA	.000	ALFSWP	1.000
BDFLAP	.000	RUDDER	.000

RUN NO. 24/ 0 RN/L = 10.18

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.197	.000	.01970	.00550	.15020	.09480	-.00610	.00180	.00020	.01000	4.90560	5.20090
1.198	.370	.04190	.00120	.15030	.09520	-.00580	.00170	.00020	.01000	4.87420	5.16300
1.199	1.070	.08670	-.00630	.14990	.09540	-.00620	.00170	.00000	.01000	4.85060	5.17810
1.197	1.800	.13220	-.01530	.14990	.09590	-.00630	.00160	-.00010	.01000	4.74070	5.17050
1.197	2.460	.17070	-.02270	.14990	.09630	-.00640	.00170	-.00020	.01000	4.63070	5.14020
1.195	3.070	.20480	-.02950	.15000	.09650	-.00660	.00170	-.00030	.01000	4.62290	5.12500
1.195	3.660	.24140	-.03570	.14980	.09630	-.00640	.00170	-.00040	.01000	4.57580	5.10230
1.195	4.290	.27520	-.04190	.14980	.09670	-.00660	.00170	-.00060	.01000	4.47370	5.01130
1.194	4.900	.31240	-.04820	.14930	.09600	-.00680	.00160	-.00060	.02000	4.45800	4.97340
1.195	5.510	.34850	-.05410	.14870	.09550	-.00680	.00160	-.00070	.02000	4.42660	4.91270
1.194	6.130	.38500	-.05940	.14830	.09450	-.00610	.00150	-.00080	.01000	4.29310	4.79890
1.194	6.770	.42010	-.06460	.14760	.09370	-.00620	.00140	-.00080	.01000	4.26950	4.76860
1.196	7.370	.45210	-.06890	.14660	.09270	-.00670	.00140	-.00090	.02000	4.19880	4.63210
1.196	7.990	.48750	-.07290	.14570	.09120	-.00690	.00140	-.00110	.02000	4.10460	4.60170
1.196	8.610	.52070	-.07540	.14450	.08950	-.00690	.00140	-.00130	.02000	4.08890	4.53350
1.194	9.240	.55830	-.07730	.14380	.08840	-.00580	.00140	-.00170	.01000	4.05750	4.51070
1.194	9.860	.59150	-.07960	.14260	.08650	-.00570	.00120	-.00150	.01000	3.97110	4.46520
1.193	10.490	.62600	-.08180	.14180	.08500	-.00540	.00120	-.00160	.01000	3.87680	4.38180
1.195	11.100	.66040	-.08440	.14080	.08350	-.00480	.00110	-.00160	.01000	3.85330	4.32120
1.195	11.720	.69580	-.08620	.14030	.08220	-.00430	.00090	-.00180	.01000	3.66480	4.29840
1.193	12.350	.72900	-.08780	.13970	.08070	-.00260	.00000	-.00260	.01000	3.57840	4.22260
1.195	12.960	.75810	-.08840	.13900	.07990	-.00090	-.00030	-.00260	.00000	3.55490	4.19980
1.193	13.590	.79200	-.09080	.13900	.07920	-.00160	-.00020	-.00210	.01000	3.45280	4.13160
1.193	14.200	.82420	-.09330	.13920	.07850	-.00240	.00000	-.00180	.01000	3.35070	4.05570
1.194	14.810	.85660	-.09450	.13950	.07830	-.00190	.00000	-.00170	.01000	3.30360	3.99500
1.191	15.420	.89120	-.09710	.14000	.07780	-.00200	-.00020	-.00180	.01000	3.22500	3.88890
1.193	16.030	.92300	-.09950	.14020	.07760	-.00100	-.00020	-.00190	.00000	3.22500	3.80540
1.193	16.640	.95550	-.10250	.14000	.07690	-.00140	-.00020	-.00180	.01000	3.16220	3.67650
1.193	17.250	.98680	-.10440	.13940	.07590	-.00150	-.00040	-.00170	.01000	3.05230	3.64620
1.191	17.860	1.01580	-.10580	.13870	.07470	-.00120	-.00060	-.00160	.01000	2.97380	3.57040
1.192	18.440	1.04270	-.10580	.13820	.07370	-.00010	-.00080	-.00150	.00000	2.87950	3.48590
1.192	19.030	1.06920	-.10680	.13750	.07230	-.00030	-.00100	-.00150	.00000	2.80880	3.44900
1.191	19.540	1.09690	-.10640	.13710	.07090	.00010	-.00100	-.00150	.00000	2.66750	3.35040
1.193	20.210	1.12030	-.10630	.13700	.06990	-.00050	-.00100	-.00140	.01000	2.57330	3.34280
1.191	20.790	1.14640	-.10560	.13700	.06810	.00010	-.00100	-.00140	.00000	2.48690	3.26700
1.191	21.350	1.16980	-.10460	.13650	.06670	.00000	-.00110	-.00150	.00000	2.38480	3.21390
1.191	21.850	1.19070	-.10430	.13610	.06550	.00000	-.00130	-.00160	.00000	2.29840	3.20630
1.191	22.170	1.20320	-.10320	.13610	.06520	-.00070	-.00120	-.00150	.01000	2.26700	3.14570

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFDJ25)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP0S =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 45/ 0 RN/L = 7.57

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.615	-3.930	-.14280	-.01020	.05520	.02890	.03540	-.00280	.00140	-2.05000	5.25110	5.15540
.615	-3.040	-.10350	-.01010	.05770	.03210	.03570	-.00280	.00150	-2.05000	5.18830	5.11740
.614	-2.190	-.06490	-.01100	.05980	.03430	.03440	-.00280	.00180	-2.05000	5.24330	5.17810
.615	-1.420	-.02810	-.01060	.06080	.03570	.03470	-.00270	.00200	-2.05000	5.22760	5.14020
.612	-.660	.00600	-.01160	.06160	.03560	.03380	-.00270	.00210	-2.05000	5.24330	5.16290
.611	.130	.04170	-.01160	.06230	.03650	.03440	-.00260	.00220	-2.05000	5.21970	5.12500
.612	.900	.08010	-.01170	.06150	.03660	.03400	-.00270	.00240	-2.05000	5.23540	5.10230
.609	1.670	.11560	-.01290	.06080	.03430	.03310	-.00270	.00280	-2.05000	5.28250	5.13260
.610	2.450	.15300	-.01350	.05920	.03310	.03220	-.00280	.00280	-2.05000	5.25110	5.14020
.608	3.250	.19210	-.01380	.05740	.03110	.03360	-.00260	.00310	-2.05000	5.30610	5.14780
.610	4.030	.22620	-.01500	.05470	.02930	.03190	-.00280	.00310	-2.05000	5.28250	5.09470
.609	4.790	.26500	-.01600	.05160	.02580	.03200	-.00250	.00320	-2.05000	5.24330	5.14020
.611	5.590	.30160	-.01640	.04750	.02310	.03230	-.00270	.00310	-2.05000	5.26680	5.07190
.609	6.360	.34210	-.01810	.04380	.01890	.03220	-.00260	.00330	-2.05000	5.19610	5.10990
.610	7.150	.38140	-.01830	.03910	.01490	.03130	-.00290	.00340	-2.05000	5.21970	5.10230
.612	7.940	.41790	-.01920	.03350	.00950	.03260	-.00260	.00400	-2.05000	5.26680	5.04160
.610	8.710	.45890	-.02020	.02890	.00470	.03080	-.00270	.00400	-2.05000	5.26680	5.05680
.611	9.500	.49840	-.02160	.02340	.00040	.03170	-.00280	.00480	-2.05000	5.18830	5.07950
.612	10.280	.53660	-.02120	.01790	-.00550	.03170	-.00280	.00520	-2.05000	5.19610	5.07190
.611	11.060	.57740	-.02040	.01300	-.01010	.03150	-.00280	.00560	-2.05000	5.24330	5.05680
.609	11.830	.62370	-.02060	.00850	-.01530	.03130	-.00290	.00540	-2.05000	5.21970	5.06440
.610	12.620	.66650	-.02160	.00570	-.01980	.03120	-.00230	.00490	-2.05000	5.14120	5.04920
.610	13.390	.70620	-.02280	.00450	-.01990	.03030	-.00140	.00550	-2.05000	5.10980	5.04160
.610	14.180	.74740	-.02330	.00510	-.02040	.03070	-.00190	.00550	-2.05000	4.96060	5.00370
.609	14.950	.78370	-.02380	.00640	-.01980	.03240	-.00290	.00500	-2.05000	4.81920	4.98850
.608	15.700	.82100	-.02550	.00790	-.01910	.03320	-.00330	.00460	-2.05000	4.67000	4.93540
.608	16.450	.86240	-.02770	.01150	-.01690	.03450	-.00380	.00450	-2.05000	4.63070	4.92790
.608	17.220	.89820	-.03000	.01410	-.01570	.03360	-.00380	.00460	-2.05000	4.55220	4.84440
.607	17.970	.94470	-.03430	.01670	-.01510	.03370	-.00400	.00400	-2.05000	4.48150	4.83680
.607	18.710	.98940	-.03700	.01710	-.01480	.03370	-.00380	.00400	-2.05000	4.46580	4.72310
.607	19.460	1.04030	-.04240	.01690	-.01750	.03410	-.00410	.00460	-2.05000	4.37160	4.69280
.607	20.190	1.09040	-.04510	.01660	-.02000	.03400	-.00380	.00680	-2.05000	4.34020	4.64730
.608	20.870	1.13290	-.04720	.01600	-.02160	.03400	-.00420	.00740	-2.05000	4.23810	4.57900
.607	21.250	1.16000	-.04930	.01630	-.02310	.03490	-.00440	.00760	-2.05000	4.20670	4.55620

TABULATED SOURCE DATA, LTV TEST 552, LA57

PAGE 67

LA57 (LTV 552) ORBITER 49-0

(RFD026)

PARAMETRIC DATA

ELEVON *	5.000	AILRON *	2.000
SPOBRK *	25.000	RN/L *	5.000
GRITNO *	120.000	RCSPDS *	.000
BETA *	.000	ALFSWP *	1.000
BOFLAP *	.000	RUDDER *	.000

RUN NO. 7/ 0 RN/L = 5.05

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.604	-3.730	-.14090	-.01240	.05950	.02980	-.00580	.00130	.00640	.00000	6.85310	3.15320
.602	-2.830	-.09630	-.01380	.06200	.03200	-.00600	.00110	.00630	.00000	6.83740	3.16840
.603	-2.010	-.06360	-.01230	.06350	.03380	-.00670	.00100	.00620	.00000	6.83740	3.17600
.603	-1.250	-.02720	-.01060	.06380	.03610	-.00730	.00080	.00580	.00000	6.90810	3.18360
.602	-.480	.00890	-.01120	.06460	.03580	-.00700	.00100	.00610	.00000	6.85310	3.16840
.599	.270	.05260	-.00817	.06470	.03660	-.00850	.00150	.00600	.00000	6.86100	3.20630
.599	1.040	.08540	-.00790	.06370	.03580	-.00830	.00110	.00590	.00000	6.90810	3.20630
.598	1.800	.12620	-.01130	.06260	.03450	-.00830	.00110	.00570	.00000	6.87670	3.21390
.598	2.580	.15860	-.01150	.06070	.03370	-.00770	.00070	.00560	.00000	6.90030	3.20630
.598	3.340	.19540	-.01500	.05830	.03100	-.00770	.00030	.00560	.00000	6.91600	3.17600
.598	4.100	.23910	-.01540	.05630	.02870	-.00790	.00120	.00590	.00000	6.88450	3.16840
.601	4.890	.26580	-.01570	.05290	.02590	-.00720	.00100	.00590	.00000	6.92380	3.15320
.599	5.640	.30800	-.01510	.04960	.02240	-.00680	.00160	.00590	.00000	6.89240	3.19120
.601	6.420	.34480	-.01790	.04490	.01860	-.00680	.00120	.00570	.00000	6.93950	3.16840
.601	7.180	.38320	-.01810	.04030	.01420	-.00770	.00120	.00560	.00000	6.89240	3.12290
.602	7.950	.42470	-.01970	.03550	.00920	-.00830	.00120	.00540	.00000	6.96310	3.15320
.602	8.730	.46730	-.02190	.03080	.00410	-.00910	.00100	.00560	.00000	6.92380	3.13050
.600	9.490	.50790	-.02020	.02570	-.00010	-.01010	.00090	.00580	.00000	6.86880	3.13810
.601	10.280	.55220	-.01970	.02060	-.00590	-.01030	.00110	.00610	.00000	6.93170	3.17600
.604	11.030	.58270	-.02030	.01540	-.01110	-.00950	.00090	.00610	.00000	6.92380	3.10020
.600	11.800	.63660	-.02070	.01140	-.01490	-.00910	.00110	.00670	.00000	6.91600	3.13050
.601	12.560	.67680	-.02270	.00780	-.01950	-.00910	.00120	.00610	.00000	6.92380	3.08500
.600	13.320	.71740	-.02570	.00940	-.01690	-.01140	.00260	.00830	.00000	6.91600	3.04710
.601	14.090	.75020	-.02570	.01160	-.01570	-.01130	.00320	.00940	.00000	6.85310	3.02430
.598	14.830	.79990	-.02650	.01410	-.01530	-.01060	.00200	.00890	.00000	6.83740	3.04710
.597	15.570	.83990	-.03090	.01580	-.01410	-.00750	.00120	.00840	.00000	6.71960	3.00910
.597	16.330	.88790	-.03370	.01800	-.01330	-.00720	.00090	.00660	.00000	6.71180	2.94090
.596	17.080	.91920	-.03700	.02050	-.01170	-.00570	.00040	.00500	.00000	6.71180	2.89540
.597	17.820	.96740	-.03730	.02100	-.01310	-.00650	.00150	.00670	.00000	6.69610	2.84230
.596	18.560	1.00570	-.03890	.02180	-.01300	-.00830	.00150	.00840	.00000	6.65680	2.82710
.595	19.280	1.05950	-.04060	.02320	-.01330	-.01040	.00250	.01000	.00000	6.69610	2.81960
.596	19.990	1.09680	-.04350	.02350	-.01460	-.01110	.00240	.01110	.00000	6.63330	2.78160
.596	20.590	1.13670	-.04070	.02270	-.01680	-.01380	.00260	.01200	.00000	6.64110	2.79680

LA67 (LTV 552) ORBITER 49-0

(RFD526)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSHP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1007/ 0 RN/L = 5.04

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.592	-4.050	-.15400	-.01340	.05830	.02850	-.00670	.00100	.00600	.00000	6.73530	3.02430
.589	-3.750	-.13820	-.01210	.05900	.02860	-.00540	.00120	.00600	.00000	6.74320	3.04710
.594	-3.080	-.10470	-.01530	.06000	.03180	-.00770	.00110	.00590	.01000	6.78250	3.02430
.592	-2.090	-.06130	-.01340	.06250	.03460	-.00610	.00100	.00590	.00000	6.71960	3.02430
.592	-1.020	-.00920	-.01220	.06420	.03610	-.00650	.00110	.00580	.00000	6.76680	3.03950
.595	.050	.03750	-.01140	.06370	.03620	-.00890	.00120	.00590	.00000	6.75100	3.02430
.591	1.170	.09380	-.01160	.06330	.03510	-.00830	.00110	.00580	.00000	6.71180	3.07740
.592	2.280	.14340	-.01300	.06100	.03320	-.00890	.00100	.00570	.00000	6.75890	3.04710
.592	3.400	.20530	-.01700	.05800	.03000	-.00850	.00080	.00580	.00000	6.77460	3.05470
.595	4.510	.25310	-.01640	.05350	.02620	-.00860	.00110	.00570	.00000	6.79820	3.04710
.595	5.670	.31640	-.01590	.04820	.02130	-.00650	.00130	.00580	.00000	6.68040	3.01670
.597	6.820	.37190	-.01780	.04160	.01430	-.00690	.00140	.00570	.00000	6.67250	3.00910
.597	7.990	.43280	-.01930	.03500	.00840	-.00770	.00130	.00530	.00000	6.72750	3.01670
.603	9.130	.48640	-.01980	.02760	.00150	-.01080	.00120	.00560	.00000	6.70390	2.97120
.604	10.300	.54500	-.02050	.02030	-.00590	-.01140	.00120	.00560	.00000	6.70390	2.95610
.600	11.490	.62230	-.02150	.01320	-.01460	-.00900	.00150	.00610	.00000	6.60180	2.90300
.602	12.700	.60950	-.02290	.00970	-.01820	-.00900	.00190	.00660	.00000	6.58610	2.88020
.602	13.870	.74460	-.02490	.01160	-.01780	-.01230	.00300	.00860	.00000	6.57830	2.89540
.602	15.100	.82120	-.03010	.01570	-.01490	-.00730	.00190	.00850	.00000	6.63330	2.79680
.600	16.280	.88880	-.03440	.01850	-.01460	-.00580	.00090	.00700	.00000	6.61750	2.76650
.599	17.480	.95670	-.03660	.02170	-.01410	-.00580	.00100	.00580	.00000	6.64110	2.78920
.602	18.660	1.01420	-.03940	.02280	-.01230	-.01020	.00190	.00860	.00000	6.57040	2.75890
.601	19.730	1.07310	-.03980	.02360	-.01400	-.01110	.00220	.01070	.00000	6.63330	2.78920
.599	20.550	1.13130	-.04150	.02450	-.01380	-.01350	.00270	.01240	.00000	6.55470	2.76650
.601	20.830	1.13240	-.04230	.02250	-.01590	-.01270	.00270	.01270	.00000	6.57040	2.78160

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD027)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 19/ 0 RN/L = 6.22

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.901	.030	.00890	.00030	.08090	.04470	-.00400	.00120	.00290	.00000	6.95520	3.19870
.899	.040	.04920	-.00110	.08030	.04500	-.00450	.00110	.00310	.00000	6.97090	3.27460
.898	1.310	.09110	-.00560	.08030	.04430	-.00440	.00110	.00360	.00000	6.93170	3.20630
.897	1.910	.12790	-.01020	.07980	.04510	-.00490	.00090	.00380	.00000	6.93170	3.22910
.896	2.460	.16330	-.01190	.07950	.04470	-.00540	.00130	.00440	.00000	6.99450	3.21390
.897	3.000	.19470	-.01380	.07910	.04450	-.00590	.00130	.00490	.00000	6.98660	3.25940
.896	3.560	.22450	-.01740	.07900	.04410	-.00580	.00120	.00540	.00000	6.95520	3.29730
.896	4.100	.25790	-.01910	.07790	.04440	-.00700	.00110	.00530	.01000	6.98660	3.27460
.896	4.670	.28640	-.02060	.07780	.04350	-.00730	.00160	.00590	.00000	6.87670	3.24420
.896	5.210	.31120	-.02150	.07770	.04330	-.00820	.00180	.00650	.01000	6.89240	3.32010
.895	5.760	.33980	-.02320	.07700	.04300	-.00900	.00200	.00700	.01000	6.90030	3.29730
.895	6.300	.37000	-.02500	.07640	.04210	-.00960	.00210	.00710	.01000	6.95520	3.26700
.896	6.850	.39420	-.02530	.07560	.04180	-.00950	.00210	.00660	.01000	6.90030	3.29730
.895	7.380	.42010	-.02490	.07510	.04140	-.00950	.00220	.00600	.01000	6.88450	3.27460
.894	7.930	.44650	-.02540	.07480	.04100	-.00840	.00200	.00580	.00000	6.72750	3.28980
.895	8.490	.47540	-.02510	.07430	.03990	-.00770	.00160	.00540	.00000	6.50760	3.22910
.895	9.030	.50060	-.02530	.07400	.03930	-.00710	.00150	.00470	.00000	6.41340	3.21390
.895	9.570	.52320	-.02560	.07380	.04010	-.00530	.00160	.00480	.00000	6.31130	3.26700
.895	10.130	.54690	-.02550	.07390	.03980	-.00500	.00120	.00530	.00000	6.16210	3.24420
.894	10.660	.57510	-.02700	.07430	.03920	-.00520	.00130	.00620	.00000	6.06780	3.22150
.893	11.190	.60240	-.02930	.07450	.03920	-.00470	.00120	.00690	.00000	5.98930	3.08500
.895	11.740	.62760	-.03130	.07420	.03940	-.00470	.00090	.00680	.00000	5.96580	2.99400
.894	12.290	.65300	-.03090	.07460	.03790	-.00450	.00040	.00660	.00000	5.87150	2.94850
.892	12.820	.68160	-.03450	.07530	.03780	-.00430	.00010	.00660	.00000	5.74590	2.85750
.892	13.360	.71030	-.03930	.07600	.03870	-.00440	.00020	.00670	.00000	5.68300	2.70580
.891	13.890	.74230	-.04230	.07780	.03850	-.00480	.00030	.00690	.00000	5.47890	2.72100
.891	14.430	.77570	-.04840	.07920	.03960	-.00390	-.00020	.00670	.00000	5.48570	2.64510
.894	14.970	.80150	-.05120	.07990	.03950	-.00310	-.00040	.00670	.00000	5.31400	2.59960
.896	15.510	.82720	-.05400	.08040	.03950	-.00230	-.00030	.00660	.00000	5.33750	2.52320
.895	16.040	.85450	-.05440	.08070	.03900	-.00260	-.00030	.00660	.00000	5.27470	2.45550
.893	16.570	.88110	-.05320	.08030	.03740	-.00340	-.00020	.00660	.00000	5.20400	2.47070
.893	17.120	.90530	-.05330	.07970	.03620	-.00330	.00000	.00650	.00000	5.13330	2.44790
.892	17.660	.93150	-.05210	.07950	.03510	-.00440	.00050	.00670	.00000	5.09410	2.44790
.892	18.180	.95460	-.05150	.07960	.03450	-.00500	.00080	.00750	.00000	5.07050	2.37210
.890	18.690	.98470	-.04930	.08090	.03290	-.00630	.00050	.00710	.00000	5.10980	2.38730
.893	19.230	.99840	-.04770	.08080	.03210	-.00550	.00020	.00690	.00000	5.02340	2.31140
.894	19.730	1.01540	-.04390	.08170	.03040	-.00470	-.00010	.00660	.00000	5.07050	2.28110
.893	20.230	1.03570	-.03930	.08270	.02860	-.00370	-.00030	.00600	.00000	5.00770	2.28110
.892	20.710	1.04330	-.03560	.08350	.02690	-.00240	-.00010	.00500	.00000	4.99200	2.22800
.891	21.090	1.05870	-.03040	.08420	.02540	-.00080	-.00140	.00410	.00000	4.97630	2.26590

LA67 (LTV 552) ORBITER 49-0

(RFD027)

PARAMETRIC DATA

ELEVON =	5.000	AIRLON =	2.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 22/ 0 RN/L = 6.25

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.182	-.020	.01260	.00920	.15170	.09390	-.00520	.00140	.00380	.00000	6.58617	3.24420
1.189	.670	.05470	.00090	.15080	.09410	-.00530	.00140	.00350	.00000	6.53970	3.22910
1.189	1.390	.10090	-.00790	.15080	.09470	-.00520	.00130	.00360	.00000	6.50750	3.23670
1.188	2.040	.14320	-.01690	.15070	.09470	-.00540	.00110	.00350	.00000	6.40550	3.16840
1.183	2.660	.19170	-.02500	.15090	.09470	-.00620	.00100	.00360	.01000	6.38200	3.14570
1.181	3.240	.21680	-.03170	.15120	.09490	-.00600	.00090	.00360	.01000	6.31130	3.12290
1.178	3.830	.25190	-.03840	.15120	.09480	-.00630	.00080	.00370	.01000	6.29560	3.10020
1.178	4.410	.28490	-.04410	.15110	.09480	-.00620	.00080	.00370	.01000	6.18560	3.10020
1.181	5.000	.31990	-.04960	.15040	.09460	-.00610	.00080	.00360	.01000	6.11500	3.06990
1.179	5.600	.35490	-.05560	.15030	.09460	-.00650	.00090	.00350	.01000	6.13070	3.03950
1.185	6.190	.38640	-.05910	.14950	.09450	-.00560	.00090	.00340	.00000	6.00500	3.08500
1.180	6.800	.42010	-.06530	.14930	.09360	-.00690	.00090	.00320	.01000	6.00500	3.02430
1.182	7.380	.45470	-.06770	.14830	.09270	-.00560	.00080	.00290	.00000	5.91860	3.01670
1.179	7.980	.48800	-.07180	.14750	.09080	-.00610	.00070	.00310	.00000	5.83220	2.94090
1.179	8.580	.52350	-.07360	.14680	.08990	-.00510	.00070	.00330	.00000	5.71440	2.91060
1.181	9.180	.55390	-.07610	.14570	.08850	-.00490	.00060	.00350	.00000	5.56520	2.84230
1.186	9.770	.58450	-.07760	.14400	.08650	-.00510	.00080	.00370	.00000	5.47100	2.72100
1.185	10.360	.61610	-.08050	.14250	.08450	-.00630	.00090	.00410	.00000	5.37680	2.63750
1.184	10.950	.64660	-.07970	.14160	.08330	-.00440	.00050	.00370	.00000	5.32180	2.59960
1.178	11.550	.67930	-.08090	.14130	.08200	-.00320	-.00010	.00330	.00000	5.27470	2.58450
1.172	12.160	.71320	-.08390	.14130	.08070	-.00380	-.00030	.00320	.00000	5.23540	2.49350
1.171	12.760	.74950	-.08610	.14140	.08030	-.00370	.00000	.00350	.00000	5.21190	2.44800
1.177	13.340	.78150	-.08980	.14110	.07970	-.00430	.00020	.00350	.00000	5.07840	2.38730
1.177	13.950	.81750	-.09330	.14140	.07920	-.00440	.00000	.00330	.00000	5.04700	2.26590
1.179	14.540	.85010	-.09540	.14180	.07930	-.00330	.00000	.00320	.00000	4.99200	2.25080
1.177	15.120	.88190	-.09760	.14240	.07900	-.00300	.00000	.00300	.00000	4.89770	2.15980
1.178	15.690	.91230	-.10040	.14230	.07800	-.00350	.00000	.00310	.00000	4.82710	2.08390
1.176	16.290	.94670	-.10360	.14290	.07820	-.00250	.00000	.00310	.00000	4.77210	2.00310
1.182	16.860	.97100	-.10540	.14170	.07710	-.00300	.00000	.00300	.00000	4.64640	1.96260
1.184	17.460	1.00350	-.10710	.14110	.07640	-.00180	-.00020	.00300	.00000	4.66220	1.96260
1.187	18.040	1.03100	-.10810	.14020	.07530	-.00190	-.00040	.00310	.00000	4.56790	1.94740
1.190	18.600	1.05460	-.10880	.13950	.07460	-.00300	-.00050	.00310	.00000	4.52080	1.90950
1.184	19.180	1.08750	-.10980	.13990	.07340	-.00220	-.00050	.00350	.00000	4.51290	1.81850
1.182	19.730	1.11190	-.10950	.13990	.07190	-.00320	-.00070	.00370	.00000	4.46580	1.84880
1.180	20.290	1.14040	-.10850	.14010	.07040	-.00240	-.00090	.00380	.00000	4.46580	1.83370
1.184	20.830	1.16090	-.10820	.14030	.07050	-.00240	-.00120	.00340	.00000	4.45010	1.78060
1.181	21.260	1.18040	-.10790	.14060	.06870	-.00130	-.00120	.00330	.00000	4.36370	1.70470
1.179	21.490	1.19170	-.10720	.14060	.06800	-.00110	-.00140	.00330	.00000	4.32450	1.65920

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD527)

PARAMETRIC DATA

ELEVON =	5.000	AILERON =	2.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1019/ 0 RN/L = 6.22

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.894	-.050	.00600	.00000	.07930	.04380	-.00490	.00120	.00280	.00000	5.92650	3.05470
.894	.160	.02150	-.00170	.07910	.04400	-.00440	.00130	.00290	.00000	5.95790	3.09260
.897	.380	.03740	-.00140	.07820	.04310	-.00460	.00140	.00290	.00000	5.98150	3.08500
.896	.700	.05430	-.00300	.07890	.04380	-.00470	.00130	.00300	.00000	5.89510	3.06220
.895	1.100	.07960	-.00560	.07920	.04430	-.00490	.00110	.00290	.00000	5.90290	3.07740
.899	1.610	.11280	-.00700	.07860	.04350	-.00530	.00120	.00310	.00000	5.87940	3.13050
.899	2.150	.14230	-.01010	.07910	.04440	-.00550	.00130	.00360	.00000	5.86370	3.06980
.900	2.710	.17590	-.01090	.07820	.04360	-.00630	.00150	.00390	.00000	5.79300	3.13810
.896	3.260	.20860	-.01400	.07860	.04390	-.00640	.00130	.00410	.00000	5.85580	3.09260
.897	3.840	.24170	-.01630	.07800	.04450	-.00680	.00160	.00440	.00000	5.78510	3.12290
.900	4.410	.27020	-.01750	.07660	.04280	-.00730	.00160	.00450	.01000	5.76940	3.12290
.896	4.960	.29680	-.01810	.07710	.04350	-.00770	.00140	.00480	.01000	5.70660	3.05470
.898	5.550	.32410	-.01890	.07660	.04310	-.00850	.00160	.00510	.01000	5.58100	3.09260
.898	6.120	.35250	-.01940	.07600	.04280	-.00870	.00170	.00520	.01000	5.50240	3.02430
.900	6.710	.38280	-.02010	.07480	.04140	-.00820	.00200	.00500	.01000	5.47890	3.02430
.901	7.290	.41040	-.01990	.07440	.04100	-.00790	.00180	.00460	.00000	5.44750	3.03950
.899	7.860	.44050	-.02070	.07470	.04090	-.00740	.00160	.00410	.00000	5.43170	3.01670
.901	8.460	.46850	-.02140	.07440	.04000	-.00660	.00150	.00400	.00000	5.39250	2.97880
.900	9.030	.49480	-.02260	.07480	.04060	-.00550	.00100	.00370	.00000	5.46320	2.94090
.902	9.630	.52290	-.02320	.07480	.03980	-.00440	.00080	.00370	.00000	5.39250	2.89540
.905	10.230	.55200	-.02450	.07490	.04020	-.00330	.00070	.00440	.00000	5.36890	2.80440
.904	10.820	.57970	-.02470	.07590	.04130	-.00310	.00050	.00530	.00600	5.35320	2.74370
.906	11.420	.60920	-.02760	.07630	.04030	-.00280	.00040	.00580	.00000	5.29040	2.62240
.907	12.020	.63840	-.02930	.07720	.04050	-.00250	.00020	.00590	.00000	5.22760	2.57690
.907	12.610	.67160	-.03300	.07830	.04040	-.00210	.00000	.00570	.00000	5.20400	2.52380
.905	13.200	.70530	-.03780	.08030	.04200	-.00190	.00010	.00560	.00000	5.20400	2.42520
.905	13.800	.73690	-.04280	.08160	.04240	-.00090	.00010	.00550	.00000	5.10190	2.38730
.906	14.410	.76700	-.04680	.08200	.04090	-.00040	.00010	.00540	.00000	5.05480	2.36450
.905	15.010	.80130	-.05140	.08280	.04040	-.00100	.00000	.00580	.00000	5.03120	2.28870
.905	15.610	.83360	-.05500	.08270	.03950	-.00230	-.00030	.00620	.00000	4.96840	2.28110
.904	16.230	.86560	-.05530	.08330	.03950	-.00270	-.00010	.00660	.00000	4.96060	2.25980
.902	16.820	.89720	-.05480	.08340	.03860	-.00330	.00000	.00670	.00000	5.01550	2.25080
.905	17.440	.92260	-.05430	.08230	.03630	-.00380	.00010	.00690	.00000	5.02340	2.25080
.901	18.030	.95580	-.05360	.08320	.03590	-.00400	.00010	.00680	.00000	4.98410	2.25060
.901	18.630	.98040	-.04940	.08290	.03360	-.00400	.00020	.00670	.00000	5.02340	2.28870
.900	19.220	1.00340	-.04820	.08350	.03300	-.00300	.00000	.00680	.00000	4.95270	2.22800
.899	19.760	1.02450	-.04380	.08350	.03030	-.00260	-.00010	.00630	.00000	5.01550	2.25080
.896	20.250	1.04020	-.04040	.08490	.02970	-.00090	-.00080	.00580	.00000	5.00770	2.18250
.896	20.660	1.05270	-.03690	.08550	.02900	.00040	-.00140	.00460	.00000	4.99200	2.19770
.895	20.980	1.05600	-.03210	.08510	.02700	.00200	-.00150	.00340	-.01000	4.98410	2.23560
.894	21.260	1.06310	-.02960	.08420	.02490	.00170	-.00180	.00350	-.01000	4.95270	2.22800

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0028)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPS =	.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 6/ 0 RN/L = 7.36

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.614	-3.760	-.13800	-.00550	.05720	.03120	-.00590	.00140	.00640	.01000	7.07300	3.21390
.612	-2.850	-.09460	-.00570	.05990	.03400	-.00610	.00150	.00630	.01000	7.07300	3.25180
.609	-1.780	-.05090	-.00580	.06160	.03580	-.00550	.00160	.00610	.00000	7.05730	3.17600
.608	-.990	-.01210	-.00640	.06230	.03670	-.00590	.00170	.00620	.00000	7.12010	3.21390
.605	-.220	.02320	-.00640	.06330	.03730	-.00730	.00170	.00610	.00000	7.04950	3.21390
.604	.550	.05980	-.00730	.06320	.03770	-.00800	.00190	.00600	.01000	7.04950	3.23670
.605	1.320	.09300	-.00800	.06160	.03650	-.00680	.00210	.00590	.00000	7.04950	3.16840
.604	2.110	.13700	-.00890	.06070	.03540	-.00810	.00200	.00590	.00000	7.06520	3.22910
.605	2.900	.17270	-.01060	.05890	.03360	-.00830	.00190	.00600	.00000	7.13580	3.22910
.608	3.660	.20780	-.01190	.05570	.03110	-.00690	.00200	.00600	.00000	7.08870	3.19120
.609	4.460	.24940	-.01130	.05270	.02850	-.00730	.00190	.00620	.00000	7.05730	3.20630
.609	5.230	.28240	-.01300	.04970	.02530	-.00720	.00180	.00590	.00000	7.11230	3.21390
.608	6.020	.32110	-.01420	.04660	.02260	-.00720	.00170	.00580	.00000	7.08870	3.15320
.611	6.790	.36170	-.01560	.04140	.01800	-.00790	.00170	.00600	.00000	7.05730	3.19120
.613	7.580	.39880	-.01640	.03670	.01350	-.00900	.00170	.00610	.00000	7.07300	3.13050
.613	8.360	.43890	-.01750	.03170	.00870	-.00930	.00160	.00630	.00000	7.05730	3.11530
.609	9.150	.48200	-.01570	.02710	.00300	-.00820	.00180	.00630	.00000	7.10440	3.14570
.611	9.920	.52040	-.01540	.02160	-.00140	-.00880	.00160	.00670	.00000	7.03380	3.10770
.611	10.700	.55610	-.01680	.01610	-.00710	-.00990	.00160	.00660	.00000	7.08870	3.13810
.608	11.490	.60240	-.01790	.01120	-.01270	-.00910	.00160	.00660	.00000	7.10440	3.10020
.610	12.260	.64320	-.01800	.00660	-.01650	-.00970	.00160	.00680	.00000	7.02590	3.03190
.607	13.030	.68750	-.02160	.00470	-.01980	-.01050	.00270	.00710	.00000	7.04160	3.00160
.606	13.830	.72370	-.02180	.00640	-.01830	-.01190	.00390	.00890	.00000	7.04160	2.96360
.605	14.570	.75950	-.02210	.00750	-.01800	-.01090	.00260	.00870	.00000	6.95520	2.93330
.606	15.340	.79460	-.02180	.00910	-.01620	-.00940	.00160	.00790	.00000	6.89240	2.89540
.604	16.120	.84060	-.02520	.01180	-.01540	-.00680	.00120	.00780	.00000	6.86880	2.80440
.604	16.860	.87750	-.02750	.01430	-.01450	-.00550	.00100	.00700	.00000	6.76680	2.78160
.607	17.610	.91140	-.02860	.01610	-.01300	-.00540	.00110	.00510	.00000	6.71960	2.74370
.603	18.390	.97100	-.03300	.01680	-.01500	-.00630	.00150	.00620	.00000	6.66470	2.67550
.603	19.130	1.02210	-.03920	.01810	-.01520	-.00800	.00200	.00740	.00000	6.69610	2.59960
.606	19.860	1.06370	-.04190	.01830	-.01490	-.01030	.00220	.00740	.00000	6.66470	2.59200
.607	20.560	1.09990	-.04340	.01750	-.01660	-.01010	.00260	.00790	.00000	6.59400	2.56930
.603	21.090	1.14130	-.04380	.01690	-.01970	-.01260	.00280	.00850	.00000	6.60180	2.63750

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD528)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1006/ 0 RN/L = 7.32

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.601	-4.130	-.15230	-.00770	.05570	.02930	-.00620	.00160	.00610	.01000	7.04160	3.09260
.600	-3.860	-.13850	-.00780	.05650	.02990	-.00580	.00140	.00610	.01000	7.07300	3.07740
.599	-3.230	-.11480	-.00820	.05850	.03250	-.00670	.00150	.00620	.01000	7.08870	3.07740
.601	-2.280	-.06870	-.00900	.05960	.03430	-.00580	.00150	.00610	.00000	7.01810	3.03950
.600	-1.210	-.02030	-.00940	.06120	.03620	-.00630	.00170	.00610	.00000	7.04160	3.03950
.598	-.090	.03050	-.00870	.06260	.03700	-.00810	.00180	.00580	.01000	7.00230	3.06220
.598	1.010	.08240	-.00860	.06180	.03630	-.00810	.00190	.00580	.00000	7.05730	3.07740
.598	2.140	.14240	-.01310	.05970	.03440	-.00800	.00200	.00590	.00000	7.03380	3.00160
.600	3.270	.19240	-.01160	.05620	.03140	-.00710	.00180	.00590	.00000	6.94740	3.04710
.605	4.430	.24720	-.01220	.05200	.02900	-.00830	.00170	.00570	.00000	7.01020	3.01670
.603	5.570	.30380	-.01530	.04670	.02270	-.00730	.00170	.00570	.00000	6.93950	2.92570
.605	6.760	.36320	-.01620	.04790	.01750	-.00930	.00150	.00560	.00000	6.86100	2.91060
.608	7.930	.41820	-.01700	.03330	.01060	-.00820	.00160	.00590	.00000	6.85310	2.91060
.607	9.110	.47900	-.01730	.02620	.00280	-.00830	.00180	.00600	.00000	6.84530	2.94090
.608	10.300	.53990	-.01650	.01840	-.00480	-.00940	.00170	.00610	.00000	6.81390	2.89540
.612	11.490	.60130	-.01800	.01080	-.01270	-.00900	.00170	.00640	.00000	6.74320	2.82710
.613	12.690	.65980	-.01980	.00650	-.01780	-.00960	.00220	.00680	.00000	6.69610	2.83470
.610	13.910	.72810	-.02190	.00780	-.01770	-.01170	.00340	.00820	.00000	6.69610	2.78920
.610	15.120	.78950	-.02310	.01040	-.01670	-.00810	.00200	.00810	.00000	6.68040	2.72860
.613	16.340	.85200	-.02540	.01400	-.01410	-.00580	.00110	.00740	.00000	6.63330	2.62240
.610	17.560	.92030	-.03090	.01700	-.01360	-.00520	.00120	.00600	.00000	6.62540	2.63750
.607	18.770	.99670	-.03790	.01860	-.01480	-.00810	.00200	.00600	.00000	6.57040	2.62240
.606	19.900	1.07240	-.04380	.01930	-.01580	-.01060	.00240	.00740	.00000	6.53900	2.58450
.606	20.760	1.11990	-.04400	.01850	-.01780	-.01150	.00280	.00790	.00000	6.61750	2.59960
.607	21.170	1.13900	-.04490	.01670	-.01960	-.01290	.00280	.00850	.00000	6.65680	2.59960

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD029)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRBK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 5/ 0 RN/L = 10.15

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.620	-3.920	-.14220	-.00970	.05660	.03070	-.00530	.00120	.00580	.01000	7.06520	3.53240
.619	-2.910	-.09680	-.01130	.05920	.03350	-.00550	.00070	.00550	.01000	7.04160	3.47930
.618	-2.100	-.06090	-.01100	.06070	.03530	-.00600	.00090	.00560	.01000	7.01810	3.52490
.616	-1.320	-.02340	-.01160	.06150	.03660	-.00610	.00080	.00550	.01000	7.12010	3.46420
.614	-.530	.01330	-.01140	.06180	.03750	-.00610	.00100	.00540	.01000	7.08870	3.52490
.612	.270	.05010	-.01220	.06170	.03750	-.00630	.00110	.00550	.01000	7.12010	3.48690
.609	1.050	.08730	-.01250	.06100	.03690	-.00730	.00120	.00540	.01000	7.06520	3.50210
.608	1.840	.12420	-.01230	.05990	.03600	-.00750	.00120	.00530	.01000	7.14370	3.50210
.606	2.650	.16230	-.01270	.05790	.03460	-.00740	.00130	.00540	.01000	7.12800	3.48690
.605	3.450	.19780	-.01530	.05600	.03250	-.00680	.00120	.00560	.01000	7.12010	3.41870
.605	4.250	.23600	-.01490	.05280	.02950	-.00730	.00120	.00540	.01000	7.08870	3.44900
.604	5.020	.27450	-.01560	.04980	.02670	-.00730	.00140	.00550	.01000	7.12010	3.38830
.606	5.830	.31230	-.01550	.04570	.02320	-.00830	.00130	.00540	.01000	7.08870	3.42630
.605	6.630	.35270	-.01740	.04150	.01860	-.00820	.00150	.00540	.01000	7.09660	3.42630
.607	7.430	.39250	-.01940	.03710	.01360	-.00800	.00140	.00560	.01000	7.04160	3.34280
.608	8.230	.42720	-.02110	.03150	.00870	-.00780	.00140	.00570	.01000	6.97090	3.33530
.609	9.030	.47400	-.01980	.02620	.00350	-.00800	.00130	.00600	.01000	6.93950	3.32010
.609	9.830	.51730	-.01800	.02090	-.00190	-.00810	.00150	.00600	.01000	6.94740	3.33530
.611	10.640	.55430	-.01900	.01560	-.00730	-.00810	.00130	.00590	.01000	6.91600	3.32010
.611	11.420	.59840	-.01950	.01070	-.01260	-.00850	.00160	.00620	.01000	6.86880	3.25940
.611	12.220	.64430	-.02000	.00550	-.01740	-.00910	.00140	.00600	.01000	6.88450	3.25180
.610	13.010	.69020	-.02150	.00320	-.02020	-.01040	.00250	.00640	.01000	6.82170	3.16840
.610	13.800	.72510	-.02260	.00310	-.02160	-.01140	.00330	.00770	.01000	6.65680	3.04710
.609	14.580	.75980	-.02210	.00500	-.02000	-.01030	.00230	.00780	.01000	6.58610	2.97890
.607	15.350	.79810	-.02320	.00580	-.02010	-.00850	.00140	.00740	.01000	6.46050	2.91810
.607	16.140	.83220	-.02290	.00690	-.01890	-.00770	.00070	.00680	.01000	6.44480	2.91810
.605	16.890	.87320	-.02510	.00960	-.01810	-.00720	.00070	.00680	.00000	6.20130	2.84990
.605	17.660	.90610	-.02580	.01150	-.01720	-.00660	.00040	.00550	.00000	6.02860	2.75130
.605	18.420	.94120	-.02980	.01480	-.01550	-.00720	.00050	.00450	.00000	5.87150	2.69820
.605	19.180	.99630	-.03730	.01640	-.01530	-.00740	.00080	.00540	.00000	5.85580	2.57690
.604	19.940	1.05380	-.04060	.01540	-.01750	-.00860	.00150	.00600	.00000	5.80870	2.58450
.604	20.690	1.09690	-.04280	.01440	-.02000	-.00960	.00180	.00670	.00000	5.75370	2.57690
.604	21.290	1.13640	-.04350	.01400	-.02160	-.01100	.00240	.00720	.01000	5.73020	2.51620
.603	21.520	1.14880	-.04300	.01420	-.02290	-.01230	.00260	.00750	.01000	5.62020	2.53900

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TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD029)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPQS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 15/ 0 RN/L = 10.05

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.901	-.040	.01260	-.00250	.07930	.04580	-.00400	.00100	.00320	.01000	6.92380	3.47930
.902	.180	.02120	-.00340	.07960	.04620	-.00450	.00090	.00290	.01000	6.97880	3.38080
.903	.930	.06290	-.00630	.07970	.04650	-.00510	.00100	.00320	.01000	6.96310	3.39590
.903	1.580	.10940	-.00970	.07980	.04630	-.00460	.00110	.00380	.01000	6.97090	3.44140
.903	2.260	.15140	-.01290	.07960	.04630	-.00550	.00120	.00440	.01000	6.99450	3.44140
.903	2.880	.18750	-.01650	.07890	.04620	-.00590	.00110	.00500	.01000	6.99450	3.46420
.903	3.490	.22120	-.01840	.07850	.04580	-.00700	.00150	.00600	.01000	6.97880	3.47180
.903	4.100	.25330	-.01970	.07810	.04590	-.00810	.00170	.00670	.02000	6.97090	3.50970
.904	4.730	.28570	-.02160	.07730	.04530	-.00850	.00180	.00690	.02000	6.93950	3.48690
.903	5.340	.31760	-.02320	.07660	.04470	-.00940	.00200	.00650	.02000	6.92380	3.45660
.903	5.960	.34980	-.02400	.07570	.04420	-.00950	.00220	.00630	.02000	6.82960	3.41870
.902	6.570	.37950	-.02490	.07510	.04360	-.00940	.00230	.00590	.02000	6.64110	3.39590
.903	7.160	.40740	-.02510	.07450	.04300	-.00910	.00220	.00570	.02000	6.35050	3.40350
.900	7.770	.43640	-.02670	.07410	.04220	-.00880	.00220	.00560	.02000	6.16990	3.39590
.902	8.400	.46530	-.02480	.07330	.04170	-.00720	.00180	.00420	.02000	6.02860	3.38080
.902	9.010	.49240	-.02510	.07280	.04110	-.00660	.00150	.00410	.01000	5.93430	3.35800
.901	9.620	.52150	-.02620	.07270	.04070	-.00650	.00120	.00440	.01000	5.84800	3.27460
.903	10.210	.55110	-.02750	.07220	.03980	-.00610	.00130	.00470	.01000	5.80870	3.26700
.901	10.830	.58340	-.02990	.07260	.03940	-.00640	.00110	.00490	.01000	5.66730	3.23670
.902	11.440	.61000	-.03120	.07270	.03920	-.00600	.00100	.00550	.01000	5.54170	3.11530
.901	12.040	.63930	-.03230	.07330	.03920	-.00550	.00060	.00570	.01000	5.43960	3.04710
.900	12.630	.66960	-.03350	.07360	.03850	-.00440	.00020	.00590	.01000	5.37680	2.96360
.900	13.240	.69810	-.03570	.07430	.03870	-.00320	-.00030	.00610	.01000	5.18830	2.75890
.900	13.840	.72820	-.03880	.07500	.03830	-.00170	-.00090	.00590	.00000	5.07840	2.67550
.902	14.440	.75500	-.04240	.07570	.03880	-.00150	-.00090	.00570	.00000	4.92130	2.57690
.901	15.030	.78760	-.04540	.07650	.03850	-.00300	-.00060	.00580	.01000	4.82710	2.45550
.901	15.620	.81850	-.04850	.07710	.03830	-.00380	-.00060	.00580	.01000	4.67780	2.37210
.900	16.230	.84730	-.05000	.07790	.03830	-.00430	-.00010	.00540	.01000	4.63070	2.34940
.899	16.820	.87790	-.04920	.07800	.03690	-.00420	-.00010	.00530	.01000	4.56790	2.29630
.900	17.420	.90500	-.04760	.07790	.03620	-.00490	-.00010	.00510	.01000	4.53650	2.30390
.900	18.030	.93540	-.04560	.07800	.03550	-.00710	.00040	.00490	.02000	4.52860	2.25080
.901	18.640	.96180	-.04410	.07950	.03400	-.00810	.00080	.00490	.02000	4.50510	2.21290
.898	19.220	.99200	-.04110	.07920	.03180	-.00830	.00080	.00520	.02000	4.46580	2.21290
.898	19.810	1.00900	-.03650	.07990	.03030	-.00790	.00070	.00520	.02000	4.48940	2.21290
.898	20.360	1.02610	-.03220	.08060	.02830	-.00710	.00020	.00490	.02000	4.48150	2.15980
.899	20.920	1.04140	-.02660	.08140	.02690	-.00390	-.00070	.00360	.01000	4.44230	2.08390
.899	21.450	1.05160	-.02160	.08280	.02620	-.00070	-.00240	.00250	.00000	4.40300	2.03080
.900	21.840	1.05660	-.01580	.08340	.02440	-.00210	-.00350	.00260	.00000	4.49720	1.97020

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD029)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 271 0 RN/L = 10.27

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.188	.010	.01980	.00810	.15120	.09450	-.00570	.00150	.00280	.01000	6.10710	3.69930
1.188	.400	.04230	.00270	.15110	.09460	-.00630	.00140	.00290	.01000	6.06000	3.66140
1.191	1.100	.08690	-.00600	.15070	.09500	-.00650	.00140	.00290	.02000	6.05210	3.63860
1.194	1.840	.13400	-.01470	.15040	.09570	-.00560	.00130	.00280	.01000	5.98150	3.59310
1.196	2.490	.17260	-.02280	.15010	.09590	-.00610	.00120	.00280	.02000	5.87150	3.47930
1.198	3.100	.20710	-.02900	.14980	.09610	-.00610	.00120	.00290	.02000	5.73020	3.44140
1.200	3.710	.24360	-.03490	.14970	.09650	-.00560	.00120	.00280	.01000	5.63580	3.45660
1.200	4.330	.27880	-.04110	.14940	.09650	-.00570	.00120	.00250	.01000	5.54170	3.39590
1.199	4.960	.31520	-.04700	.14890	.09600	-.00570	.00110	.00250	.02000	5.54950	3.32010
1.194	5.600	.35110	-.05290	.14850	.09530	-.00630	.00110	.00240	.02000	5.53380	3.25940
1.193	6.200	.38670	-.05890	.14790	.09430	-.00640	.00110	.00240	.02000	5.40030	3.15320
1.194	6.830	.42280	-.06330	.14720	.09340	-.00590	.00110	.00240	.02000	5.27470	3.10020
1.195	7.450	.45820	-.06720	.14630	.09230	-.00610	.00110	.00230	.02000	5.19620	3.01670
1.196	8.070	.48850	-.07000	.14530	.09080	-.00600	.00100	.00220	.02000	5.12550	2.94090
1.196	8.700	.52530	-.07400	.14430	.08910	-.00610	.00090	.00240	.02000	5.04690	2.82710
1.194	9.340	.56060	-.07660	.14310	.08740	-.00640	.00080	.00260	.02000	4.99200	2.78160
1.193	9.970	.59430	-.07840	.14190	.08550	-.00620	.00060	.00220	.02000	4.88200	2.66030
1.194	10.590	.62850	-.07960	.14070	.08380	-.00550	.00050	.00190	.02000	4.70140	2.57690
1.192	11.220	.66490	-.08290	.14030	.08240	-.00570	.00050	.00180	.02000	4.59930	2.47070
1.192	11.860	.70060	-.08420	.13940	.08090	-.00510	.00040	.00180	.02000	4.53650	2.33420
1.193	12.450	.72680	-.08480	.13840	.07950	-.00300	-.00030	.00090	.01000	4.41080	2.28110
1.195	13.090	.76250	-.08530	.13790	.07870	-.00180	-.00050	.00100	.01000	4.29310	2.13700
1.192	13.730	.79490	-.08750	.13770	.07770	-.00300	-.00020	.00150	.01000	4.16740	2.07630
1.194	14.330	.82760	-.08890	.13790	.07770	-.00230	-.00010	.00170	.01000	4.00250	1.97020
1.192	14.960	.85950	-.09090	.13850	.07720	-.00270	-.00010	.00180	.01000	3.93970	1.90950
1.193	15.570	.89210	-.09380	.13890	.07700	-.00250	-.00030	.00170	.01000	3.79830	1.72750
1.192	16.190	.92580	-.09650	.13920	.07660	-.00260	-.00030	.00180	.01000	3.68050	1.63950
1.193	16.800	.95730	-.09840	.13900	.07580	-.00250	-.00030	.00190	.01000	3.57060	1.53790
1.191	17.410	.98810	-.09880	.13860	.07490	-.00180	-.00040	.00200	.01000	3.46850	1.53030
1.189	18.020	1.01730	-.10010	.13790	.07340	-.00220	-.00060	.00220	.01000	3.40570	1.46210
1.192	18.610	1.04300	-.10030	.13720	.07260	-.00160	-.00070	.00230	.01000	3.33500	1.34930
1.193	19.210	1.06950	-.10030	.13670	.07140	-.00100	-.00080	.00240	.01000	3.34280	1.34830
1.193	19.810	1.09520	-.10010	.13650	.07000	-.00120	-.00100	.00250	.01000	3.35860	1.29520
1.193	20.400	1.12140	-.09970	.13650	.06890	-.00070	-.00110	.00260	.01000	3.34280	1.15870
1.194	20.970	1.14450	-.09890	.13580	.06740	-.00060	-.00120	.00260	.01000	3.24860	1.09800
1.193	21.530	1.16620	-.09730	.13560	.06600	-.00080	-.00130	.00260	.01000	3.22510	1.02980
1.191	21.820	1.17970	-.09660	.13620	.06600	-.00110	-.00130	.00270	.01000	3.26430	1.04490

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0030)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 18/ 0 RN/L = 12.02

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
.905	-.060	.00870	-.00110	.07950	.04560	-.00450	.00120	.00310	.01000	7.06520	3.60070
.908	.240	.02560	-.00250	.07980	.04650	-.00440	.00120	.00300	.01000	7.05730	3.54760
.908	.920	.06830	-.00620	.08010	.04660	-.00440	.00100	.00330	.01000	7.04950	3.55520
.909	1.680	.11640	-.01080	.08020	.04760	-.00440	.00100	.00360	.01000	7.00230	3.60830
.907	2.380	.15990	-.01440	.08010	.04720	-.00460	.00110	.00420	.01000	6.98660	3.81300
.907	3.000	.19730	-.01890	.07960	.04670	-.00550	.00110	.00420	.01000	7.00230	3.97230
.908	3.610	.23110	-.02110	.07880	.04710	-.00590	.00140	.00510	.02000	7.01020	4.02540
.907	4.240	.26450	-.02260	.07810	.04640	-.00680	.00160	.00590	.02000	6.95520	4.06330
.907	4.870	.29550	-.02380	.07710	.04580	-.00750	.00180	.00590	.02000	6.93170	4.02540
.905	5.510	.32950	-.02480	.07620	.04500	-.00760	.00180	.00560	.02000	6.78250	4.01780
.905	6.130	.35920	-.02560	.07540	.04420	-.00790	.00190	.00530	.02000	6.62540	4.02540
.904	6.730	.38740	-.02700	.07450	.04310	-.00830	.00180	.00490	.02000	6.42120	3.93440
.906	7.360	.41680	-.02690	.07400	.04280	-.00760	.00160	.00470	.02000	6.32700	3.93440
.906	7.990	.44630	-.02770	.07400	.04260	-.00740	.00160	.00490	.02000	6.13070	3.88130
.907	8.600	.47220	-.02730	.07360	.04200	-.00730	.00140	.00480	.02000	6.02860	3.79030
.906	9.220	.49990	-.02710	.07320	.04140	-.00670	.00110	.00420	.02000	5.94220	3.73790
.905	9.840	.53030	-.02870	.07260	.04050	-.00650	.00100	.00410	.02000	5.80870	3.72530
.905	10.470	.56120	-.02890	.07220	.04000	-.00580	.00120	.00440	.02000	5.73800	3.63860
.902	11.090	.59490	-.03110	.07200	.03910	-.00610	.00100	.00480	.02000	5.43960	3.50970
.903	11.720	.62510	-.03220	.07210	.03900	-.00520	.00090	.00450	.02000	5.35320	3.39590
.901	12.330	.65290	-.03230	.07230	.03840	-.00460	.00060	.00440	.02000	5.18050	3.22150
.903	12.920	.67990	-.03400	.07240	.03800	-.00430	.00030	.00440	.02000	5.05490	3.02430
.901	13.560	.71180	-.03480	.07320	.03750	-.00270	-.00020	.00490	.01000	4.85850	2.81960
.901	14.160	.74150	-.03630	.07390	.03720	-.00190	-.00080	.00510	.01000	4.79570	2.66030
.902	14.770	.77000	-.03920	.07510	.03770	-.00040	-.00080	.00510	.01000	4.68570	2.56170
.905	15.360	.79720	-.04240	.07610	.03800	-.00090	-.00080	.00490	.01000	4.57580	2.44790
.904	15.960	.82670	-.04520	.07650	.03730	-.00270	-.00020	.00530	.01000	4.45010	2.29630
.902	16.580	.85760	-.04560	.07690	.03640	-.00360	-.00010	.00520	.02000	4.33230	2.19770
.904	17.180	.88210	-.04430	.07700	.03620	-.00350	.00000	.00470	.01000	4.36370	2.19770
.901	17.810	.91280	-.04240	.07690	.03480	-.00440	.00000	.00470	.02000	4.26950	2.15980
.899	18.410	.93980	-.04050	.07670	.03330	-.00430	.00030	.00460	.02000	4.24590	2.13700
.898	18.990	.96570	-.03810	.07680	.03140	-.00550	.00020	.00500	.02000	4.23810	2.06860
.900	19.570	.98480	-.03500	.07710	.03020	-.00510	.00020	.00490	.02000	4.26160	2.05360
.896	20.150	1.00900	-.03040	.07770	.02790	-.00440	.00000	.00470	.02000	4.20670	2.03840

LA57 (LTV 552) ORBITER 49-0

(RFD030)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 23/ 0 RN/L = 11.93

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.198	.030	.02430	.00270	.15180	.09630	-.00670	.00140	.00480	.02000	7.82690	3.59310
1.201	.450	.05140	-.00220	.15150	.09640	-.00670	.00130	.00470	.02000	7.85050	3.53240
1.200	1.160	.09540	-.01120	.15120	.09660	-.00610	.00120	.00480	.02000	7.88190	3.52490
1.198	1.900	.14040	-.02110	.15160	.09730	-.00600	.00120	.00470	.02000	7.88190	3.47180
1.199	2.570	.18030	-.02850	.15160	.09780	-.00650	.00120	.00480	.02000	7.77980	3.44140
1.199	3.180	.21700	-.03530	.15110	.09800	-.00630	.00120	.00480	.02000	7.61490	3.33530
1.199	3.780	.25270	-.04210	.15080	.09850	-.00680	.00120	.00480	.02000	7.53630	3.23670
1.196	4.420	.28840	-.04840	.15090	.09870	-.00670	.00120	.00470	.02000	7.46570	3.15320
1.197	5.050	.32450	-.05430	.15060	.09800	-.00650	.00110	.00460	.02000	7.23790	3.01670
1.199	5.670	.35960	-.05960	.14990	.09720	-.00710	.00110	.00460	.02000	7.05730	2.87260
1.197	6.300	.39600	-.06450	.14930	.09600	-.00650	.00100	.00480	.02000	7.00230	2.70580
1.198	6.930	.43130	-.07000	.14840	.09480	-.00680	.00090	.00490	.02000	6.90030	2.58450
1.198	7.560	.46620	-.07350	.14740	.09340	-.00680	.00080	.00520	.02000	6.87670	2.47830
1.196	8.210	.50230	-.07710	.14670	.09190	-.00650	.00080	.00550	.02000	6.78250	2.43280
1.196	8.840	.53880	-.08030	.14550	.09030	-.00630	.00080	.00570	.02000	6.76680	2.32660
1.197	9.470	.57130	-.08220	.14420	.08850	-.00620	.00070	.00550	.02000	6.72750	2.29630
1.198	10.090	.60510	-.08350	.14270	.08660	-.00630	.00050	.00560	.02000	6.65680	2.20530
1.196	10.740	.64240	-.08620	.14180	.08520	-.00550	.00050	.00550	.02000	6.64110	2.07630
1.195	11.380	.67970	-.08840	.14090	.08370	-.00550	.00040	.00540	.02000	6.49980	2.00050
1.196	12.000	.71120	-.08970	.13990	.08250	-.00520	.00040	.00530	.02000	6.41340	1.95500
1.196	12.630	.74500	-.09010	.13870	.08060	-.00380	-.00010	.00470	.02000	6.29560	1.84120
1.194	13.270	.77700	-.09170	.13840	.07970	-.00260	-.00050	.00440	.01000	6.24060	1.81090
1.195	13.890	.81080	-.09330	.13810	.07890	-.00260	-.00020	.00490	.01000	6.19350	1.64410
1.197	14.500	.84050	-.09570	.13820	.07850	-.00360	-.00010	.00510	.02000	6.01290	1.61370
1.197	15.120	.87250	-.09770	.13870	.07830	-.00380	.00000	.00530	.02000	5.72230	1.50000
1.197	15.750	.90600	-.09980	.13920	.07810	-.00370	-.00020	.00510	.02000	5.60450	1.37860
1.195	16.380	.93970	-.10270	.13950	.07770	-.00300	-.00030	.00500	.02000	5.41600	1.33310
1.195	16.990	.97150	-.10540	.13920	.07700	-.00310	-.00050	.00510	.02000	5.35320	1.24970
1.192	17.610	1.00280	-.10640	.13870	.07590	-.00230	-.00070	.00520	.02000	5.27470	1.12080
1.193	18.220	1.03130	-.10700	.13810	.07490	-.00270	-.00090	.00550	.02000	5.16470	.99190
1.193	18.820	1.05900	-.10770	.13740	.07330	-.00250	-.00090	.00560	.02000	5.16470	.90940
1.193	19.440	1.08550	-.10800	.13730	.07230	-.00230	-.00080	.00590	.02000	5.07840	.88570
1.194	20.020	1.11150	-.10720	.13700	.07060	-.00240	-.00080	.00620	.02000	5.03120	.77950
1.195	20.610	1.13370	-.10610	.13670	.06960	-.00250	-.00110	.00630	.02000	5.00770	.74160
1.193	21.200	1.15950	-.10570	.13660	.06820	-.00170	-.00110	.00620	.01000	4.98410	.67330
1.195	21.750	1.17920	-.10310	.13560	.06680	-.00170	-.00150	.00600	.02000	4.92920	.58990
1.194	22.240	1.19880	-.10140	.13490	.06540	-.00140	-.00140	.00610	.01000	4.87420	.46860
1.194	22.540	1.20710	-.09960	.13450	.06490	-.00180	-.00140	.00610	.02000	4.78420	.56720

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD031)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITND =	.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 124/ 0 RN/L = 8.17

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	.450	-.02820	.03960	.16950	.12310	.00270	-.00020	.00020	.00000	1.91360	1.58340
1.510	.180	.00270	.03450	.16750	.12220	.00250	-.00020	.00030	.00000	1.96070	1.62130
1.510	.870	.03600	.02850	.16630	.12080	.00310	-.00010	.00030	.00000	1.98430	1.53790
1.510	1.460	.06470	.02260	.16550	.11980	.00320	-.00010	.00030	.00000	1.96070	1.50000
1.510	2.020	.09130	.01750	.16430	.11860	.00250	-.00020	.00040	.00000	1.89790	1.50000
1.510	2.530	.11450	.01300	.16300	.11720	.00210	-.00010	.00030	.00000	1.81150	1.40140
1.510	3.040	.13900	.00930	.16220	.11610	.00200	-.00010	.00030	.00000	1.72510	1.32550
1.510	3.580	.16370	.00540	.16150	.11540	.00230	-.00010	.00040	.00000	1.58380	1.19660
1.510	4.090	.18690	.00150	.16050	.11420	.00190	-.00010	.00030	.00000	1.40310	1.06770
1.510	4.640	.21270	-.00100	.15980	.11340	.00250	-.00010	.00020	.00000	1.16760	.94640
1.510	5.150	.23640	-.00400	.15840	.11190	.00260	-.00010	.00020	.00000	.71210	.76430
1.510	5.670	.25890	-.00750	.15720	.11040	.00250	.00000	.00010	.00000	.42150	.46100
1.510	6.200	.28350	-.01150	.15610	.10900	.00210	.00000	.00010	.00000	.39800	.31690
1.510	6.720	.30760	-.01510	.15540	.10810	.00140	.00000	.00010	.00000	.35090	.21070
1.510	7.250	.33330	-.01900	.15500	.10740	.00170	.00000	.00010	.00000	.32730	.09700
1.510	7.790	.35940	-.02290	.15460	.10660	.00140	.00010	.00020	.00000	.44510	.03630
1.510	8.300	.38380	-.02630	.15420	.10580	.00150	.00000	.00020	.00000	.38230	-.08490
1.510	8.840	.40910	-.02930	.15320	.10480	.00160	.00010	.00030	.00000	.28800	-.22900
1.510	9.380	.43550	-.03200	.15260	.10450	.00160	.00010	.00020	.00000	.18590	-.36550
1.510	9.890	.45880	-.03460	.15130	.10300	.00110	.00000	.00000	.00000	.02100	-.47170
1.510	10.430	.48110	-.03610	.15030	.10200	.00090	.00000	.00010	.00000	-.05740	-.62340
1.510	10.950	.50580	-.03800	.14950	.10090	.00160	.00000	.00010	-.01000	-.13590	-.76750
1.510	11.490	.52970	-.04010	.14850	.09990	.00130	.00000	.00000	-.01000	-.19880	-.90400
1.510	12.010	.55480	-.04260	.14760	.09890	.00130	.00010	-.00020	-.01000	-.30870	-.98740
1.510	12.520	.57570	-.04560	.14620	.09730	.00100	.00010	-.00030	-.01000	-.36370	-1.07080
1.510	13.070	.60250	-.04740	.14530	.09640	.00120	.00020	-.00010	-.01000	-.37940	-1.10120
1.510	13.580	.62670	-.04940	.14410	.09500	.00130	.00020	.00000	-.01000	-.51290	-1.16940
1.510	14.100	.64760	-.05130	.14230	.09300	.00090	.00020	-.00010	-.01000	-.55210	-1.21490
1.510	14.630	.67110	-.05220	.14120	.09180	.00080	.00020	-.00010	-.01000	-.59330	-1.28320
1.510	15.160	.69740	-.05340	.14000	.09040	.00120	.00010	.00000	-.01000	-.51500	-1.35900
1.510	15.670	.71770	-.05470	.13820	.08840	.00070	.00010	.00000	-.01000	-.76420	-1.38940
1.510	16.200	.74420	-.05580	.13720	.08730	.00040	.00010	.00000	-.01000	-.74850	-1.39690
1.510	16.730	.76950	-.05700	.13690	.08650	.00050	.00010	.00000	-.01000	-.81910	-1.46520
1.510	17.250	.79440	-.05860	.13670	.08540	.00080	.00010	.00000	-.01000	-.87410	-1.55620
1.510	17.750	.81640	-.06060	.13610	.08390	.00030	.00010	.00000	-.01000	-.97620	-1.55620
1.510	18.260	.83850	-.06180	.13560	.08250	.00040	.00010	.00000	-.01000	-1.06260	-1.62440
1.510	18.790	.86540	-.06260	.13550	.08170	.00120	.00010	.00000	-.01000	-1.05470	-1.71550
1.510	19.280	.88670	-.06430	.13460	.08010	.00090	.00010	-.00010	-.01000	-1.10180	-1.70030
1.510	19.800	.91200	-.06470	.13390	.07930	.00110	.00020	.00000	-.01000	-1.21960	-1.80650
1.510	20.290	.93320	-.06570	.13270	.07790	.00130	.00010	.00000	-.01000	-1.29820	-1.83680
1.510	20.780	.95630	-.06680	.13150	.07640	.00140	.00010	.00000	-.01000	-1.33740	-1.82160
1.510	21.220	.97670	-.06750	.13040	.07520	.00170	.00010	.00000	-.01000	-1.40030	-1.88990

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD031)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 124/ 0 RN/L = 8.17

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	21.530	.99120	-.06860	.12960	.07430	.00170	.00000	.00000	-.02000	-1.47090	-1.95810

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 81

LA67 (LTV 552) ORBITER 49-0

(RFD032)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BOFLAP	=	.000	RUDDER	=	.000

RUN NO. 109/ 0 RN/L = 7.98

MACH	ALPHA	CM	CLM	CA	CAB	CY	CYN	CB	BETA	ELVN-L	ELVN-R
1.510	-.420	-.03120	.03770	.17020	.12480	.00120	-.00010	.00000	.00000	1.23820	1.62890
1.510	-.200	-.02130	.03640	.17000	.12450	.00100	-.00020	.00000	.00000	1.25390	1.62130
1.510	.120	-.00340	.03390	.16920	.12380	.00220	-.00010	.00000	.00000	1.29320	1.62130
1.510	.820	.02970	.02800	.16760	.12220	.00160	-.00020	.00000	.00000	1.31680	1.60610
1.510	1.410	.05910	.02210	.16630	.12100	.00180	-.00010	.00000	.00000	1.25390	1.52270
1.510	1.980	.08600	.01810	.16530	.12030	.00190	-.00010	.00000	.00000	1.20680	1.51510
1.510	2.490	.11040	.01350	.16340	.11840	.00170	-.00010	.00000	.00000	1.16760	1.41660
1.510	3.020	.13590	.00980	.16290	.11810	.00190	-.00010	.00010	.00000	1.19110	1.32560
1.510	3.530	.16100	.00570	.16140	.11650	.00170	-.00010	.00020	.00000	1.07330	1.21180
1.510	4.060	.18480	.00290	.16030	.11550	.00220	.00000	.00030	.00000	.90840	.97670
1.510	4.590	.20890	.00000	.15900	.11420	.00190	-.00020	.00020	.00000	.55500	.86290
1.510	5.110	.23460	-.00210	.15780	.11290	.00280	-.00010	.00010	.00000	.42150	.79470
1.510	5.630	.25870	-.00500	.15670	.11150	.00310	.00000	.00010	.00000	.33510	.50650
1.510	6.160	.28370	-.00820	.15590	.11050	.00270	-.00010	.00000	.00000	.32730	.35480
1.510	6.680	.30790	-.01140	.15510	.10930	.00280	.00000	.00000	.00000	.17810	.22590
1.510	7.210	.33450	-.01580	.15490	.10850	.00270	.00000	.00000	.00000	.13880	.11970
1.510	7.740	.36010	-.01990	.15490	.10790	.00210	.00000	-.00010	.00000	.09960	.02870
1.510	8.270	.38230	-.02420	.15530	.10750	.00140	.00000	-.00020	.00000	.06030	-.16080
1.510	8.780	.40700	-.02740	.15500	.10620	.00130	.00000	-.00050	.00000	-.02600	-.26690
1.510	9.310	.43370	-.03110	.15440	.10500	.00100	.00000	-.00050	.00000	-.11240	-.34280
1.510	9.830	.45740	-.03390	.15300	.10320	.00100	.00000	-.00080	.00000	-.23800	-.45650
1.510	10.380	.48230	-.03550	.15200	.10270	.00100	.00000	-.00060	.00000	-.23020	-.63860
1.510	10.880	.50280	-.03750	.15100	.10120	.00120	.00000	-.00070	-.01000	-.30870	-.72200
1.510	11.410	.53090	-.04050	.15050	.10050	.00090	.00000	-.00070	-.01000	-.37940	-.88120
1.510	11.920	.55220	-.04340	.14970	.09910	.00100	.00010	-.00080	-.01000	-.43430	-.93430
1.510	12.440	.57530	-.04510	.14800	.09730	.00090	.00000	-.00060	-.01000	-.48930	-.98740
1.510	12.970	.60110	-.04750	.14680	.09640	.00070	.00020	-.00050	-.01060	-.60710	-1.10120
1.510	13.510	.62640	-.04840	.14590	.09590	.00070	.00010	-.00040	-.01000	-.67780	-1.14670
1.510	14.020	.64650	-.05060	.14370	.09340	.00110	.00030	-.00040	-.01000	-.73280	-1.14670
1.510	14.530	.67220	-.05200	.14320	.09300	.00080	.00020	-.00040	-.01000	-.85060	-1.19220
1.510	15.080	.69300	-.05330	.14150	.09080	.00160	.00020	-.00030	-.01000	-.96050	-1.24530
1.510	15.580	.72040	-.05460	.14110	.09040	.00130	.00010	-.00030	-.01000	-1.01550	-1.27560
1.510	16.090	.74340	-.05660	.13990	.08910	.00150	.00010	-.00040	-.01000	-1.10970	-1.36660
1.510	16.620	.76760	-.05680	.13860	.08740	.00170	.00010	-.00030	-.01000	-1.14110	-1.41970
1.510	17.150	.79000	-.05850	.13800	.08640	.00100	.00000	-.00030	-.01000	-1.20390	-1.38940
1.510	17.660	.81500	-.06040	.13790	.08520	.00070	.00020	-.00030	-.01000	-1.29030	-1.50310
1.510	18.150	.84150	-.06160	.13740	.08400	.00090	.00010	-.00030	-.01000	-1.44740	-1.52590
1.510	18.680	.86380	-.06230	.13740	.08340	.00080	.00000	-.00040	-.01000	-1.49450	-1.60170
1.510	19.190	.88830	-.06320	.13660	.08190	.00050	.00020	-.00040	-.01000	-1.54160	-1.63960
1.510	19.690	.91210	-.06470	.13560	.08070	.00090	.00040	-.00040	-.01000	-1.58870	-1.68510
1.510	20.190	.93470	-.06620	.13450	.07940	.00120	.00030	-.00020	-.02000	-1.57300	-1.72300
1.510	20.680	.95980	-.06670	.13360	.07860	.00090	.00030	-.00030	-.02000	-1.62800	-1.74580

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD032)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 109/ 0 RN/L = 7.98

MACH	ALPHA	CN	CLM	CA	CAS	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	21.130	.97750	-.06800	.13240	.07710	.00110	.00010	-.00020	-.02000	-1.69870	-1.77610
1.510	21.480	.99630	-.06930	.13170	.07640	.00130	.00000	-.00010	-.02000	-1.76150	-1.89750

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OF POOR QUALITY

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 83

LA67 (LTV 552) ORBITER 49-0

(RFD032)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 96/ 0 RN/L = 8.03

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	.330	.05000	.02660	.14620	.11550	.00370	-.00070	.00030	.00000	.37440	.81740
2.010	.280	.02700	.02230	.14480	.11400	.00330	-.00070	.00030	.00000	.34300	.74920
2.010	.970	.00000	.01890	.14410	.11340	.00300	-.00070	.00040	.00000	.39010	.71130
2.010	1.520	.02150	.01550	.14300	.11210	.00290	-.00070	.00040	.00000	.38230	.63540
2.010	2.080	.04280	.01230	.14270	.11170	.00270	-.00070	.00050	.00000	.37440	.46100
2.010	2.580	.06230	.01110	.14220	.11100	.00240	-.00070	.00050	.00000	.36660	.35480
2.010	3.080	.07950	.00810	.14130	.10990	.00260	-.00070	.00050	.00000	.27230	.14250
2.010	3.620	.10150	.00590	.14070	.10940	.00280	-.00070	.00060	.00000	.10740	-.07740
2.010	4.140	.11850	.00390	.13960	.10820	.00310	-.00070	.00050	.00000	-.08880	-.37310
2.010	4.650	.13810	.00150	.13840	.10700	.00270	-.00070	.00050	.00000	-.19880	-.56270
2.010	5.170	.15670	-.00080	.13750	.10610	.00230	-.00060	.00040	.00000	-.30870	-.65370
2.010	5.680	.17440	-.00340	.13650	.10500	.00260	-.00060	.00030	.00000	-.31660	-.76750
2.010	6.210	.19420	-.00530	.13500	.10460	.00220	-.00060	.00040	.00000	-.44220	-.79780
2.010	6.720	.21290	-.00810	.13530	.10360	.00210	-.00050	.00030	.00000	-.42650	-.89640
2.010	7.240	.23180	-.00990	.13480	.10280	.00190	-.00050	.00030	.00000	-.54430	-.98740
2.010	7.760	.25020	-.01080	.13430	.10200	.00180	-.00050	.00030	.00000	-.63070	-1.06320
2.010	8.300	.27030	-.01160	.13400	.10140	.00230	-.00040	.00020	.00000	-.61500	-1.04810
2.010	8.810	.28870	-.01300	.13280	.09970	.00170	-.00050	.00020	.00000	-.65420	-1.10880
2.010	9.330	.30690	-.01340	.13190	.09850	.00140	-.00050	.00020	.00000	-.70920	-1.11630
2.010	9.860	.32790	-.01500	.13110	.09730	.00150	-.00050	.00020	.00000	-.76420	-1.16940
2.010	10.380	.34790	-.01560	.13060	.09640	.00170	-.00050	.00010	.00000	-.78770	-1.19980
2.010	10.910	.36820	-.01620	.12990	.09530	.00180	-.00060	.00010	-.01000	-.83480	-1.19980
2.010	11.430	.38750	-.01690	.12890	.09410	.00170	-.00060	.00010	-.01000	-.87410	-1.26800
2.010	11.940	.40660	-.01780	.12740	.09220	.00090	-.00060	.00020	-.01000	-.89770	-1.27560
2.010	12.470	.42570	-.01810	.12630	.09090	.00140	-.00060	.00020	-.01000	-.96050	-1.33630
2.010	12.980	.44760	-.01940	.12490	.08930	.00080	-.00070	.00020	-.01000	-1.10970	-1.35900
2.010	13.510	.46830	-.02010	.12390	.08830	.00110	-.00070	.00020	-.01000	-1.15680	-1.37420
2.010	14.030	.48900	-.02110	.12270	.08710	.00130	-.00060	.00020	-.01000	-1.26680	-1.43490
2.010	14.550	.51010	-.02120	.12120	.08540	.00190	-.00060	.00030	-.01000	-1.35310	-1.48790
2.010	15.080	.53170	-.02280	.12050	.08480	.00210	-.00060	.00020	-.01000	-1.43950	-1.52590
2.010	15.590	.55250	-.02280	.11920	.08330	.00230	-.00060	.00020	-.01000	-1.49450	-1.51070
2.010	16.100	.56940	-.02350	.11770	.08180	.00180	-.00060	.00020	-.01000	-1.55730	-1.57140
2.010	16.610	.59210	-.02480	.11670	.08070	.00200	-.00060	.00020	-.01000	-1.57300	-1.62440
2.010	17.140	.61490	-.02620	.11600	.08020	.00180	-.00050	.00020	-.01000	-1.73790	-1.63960
2.010	17.640	.63590	-.02840	.11510	.07920	.00190	-.00040	.00000	-.01000	-1.73790	-1.70790
2.010	18.140	.65560	-.02860	.11390	.07800	.00180	-.00050	.00010	-.01000	-1.81650	-1.78370
2.010	18.640	.67570	-.03070	.11300	.07700	.00180	-.00030	.00000	-.01000	-1.85570	-1.76850
2.010	19.150	.69640	-.03210	.11220	.07620	.00200	-.00040	.00000	-.01000	-1.89500	-1.82920
2.010	19.630	.71990	-.03260	.11220	.07600	.00130	-.00050	.00000	-.01000	-1.92640	-1.88990
2.010	20.120	.73900	-.03340	.11140	.07500	.00120	-.00050	.00000	-.01000	-1.96570	-1.89750
2.010	20.580	.75600	-.03460	.11050	.07400	.00120	-.00040	.00000	-.01000	-2.09130	-1.96570
2.010	20.920	.77110	-.03470	.10970	.07300	.00100	-.00050	.00000	-.01000	-2.11490	-1.95060

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD532)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSHP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1109/ 0 RN/L = 7.97

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-.470	-.03340	.04010	.17080	.12500	.00120	.00000	.00010	.00000	1.19900	1.28760
1.510	-.200	-.01990	.03680	.17040	.12480	.00130	.00000	.00000	.00000	1.05760	1.24210
1.510	.090	-.00600	.03480	.16920	.12330	.00210	.00000	.00010	.00000	1.01050	1.12080
1.510	.500	.01450	.03100	.16880	.12310	.00110	.00000	.00010	.00000	.97120	1.03740
1.510	1.010	.03850	.02710	.16740	.12170	.00180	.00000	.00020	.00000	.79060	.81740
1.510	1.580	.06560	.02430	.16660	.12090	.00150	.00000	.00030	.00000	.68070	.58990
1.510	2.130	.09080	.02010	.16550	.11990	.00110	.00000	.00010	.00000	.38010	.37760
1.510	2.730	.11990	.01590	.16380	.11810	.00190	.00000	.00030	.00000	.24880	.02870
1.510	3.320	.14430	.01190	.16180	.11590	.00170	.00000	.00020	.00000	.07600	-.19110
1.510	3.900	.17220	.00830	.16060	.11460	.00140	.00000	.00010	.00000	-.06520	-.52480
1.510	4.500	.20220	.00500	.16000	.11400	.00160	.00000	.00010	.00000	-.26510	-.83570
1.510	5.090	.22850	.00180	.15900	.11270	.00180	.00010	.00010	.00000	-.51290	-.97220
1.510	5.690	.25560	-.00280	.15710	.11020	.00210	.00000	.00000	.00000	-.59140	-1.07080
1.510	6.290	.28720	-.00660	.15670	.10960	.00140	.00000	.00000	.00000	-.74850	-1.18460
1.510	6.900	.31790	-.01060	.15620	.10870	.00160	.00000	-.00010	.00000	-.88200	-1.26040
1.510	7.520	.34530	-.01570	.15510	.10710	.00160	.00000	-.00010	.00000	-.96050	-1.29830
1.510	8.150	.37250	-.02010	.15360	.10490	.00140	.00000	-.00020	.00000	-1.03120	-1.33630
1.510	8.770	.40180	-.02390	.15290	.10390	.00070	.00010	-.00050	.00000	-1.07040	-1.38940
1.510	9.400	.43090	-.02810	.15210	.10270	.00050	.00010	-.00060	.00000	-1.07040	-1.42730
1.510	10.020	.46050	-.03190	.15180	.10230	.00020	.00000	-.00070	.00000	-1.14900	-1.46520
1.510	10.660	.49310	-.03470	.15060	.10060	.00010	.00000	-.00080	.00000	-1.13330	-1.58650
1.510	11.290	.52290	-.03780	.14990	.09980	.00000	.00000	-.00060	-.01000	-1.20390	-1.55620
1.510	11.940	.54880	-.04030	.14790	.09710	.00070	.00010	-.00070	-.01000	-1.29030	-1.59410
1.510	12.580	.58190	-.04350	.14700	.09610	.00020	.00020	-.00070	-.01000	-1.39240	-1.69270
1.510	13.230	.61220	-.04630	.14630	.09550	.00050	.00010	-.00050	-.01000	-1.46310	-1.63960
1.510	13.880	.64210	-.04890	.14470	.09380	.00060	.00020	-.00040	-.01000	-1.52590	-1.70790
1.510	14.510	.67240	-.05030	.14300	.09160	.00030	.00010	-.00040	-.01000	-1.51020	-1.72300
1.510	15.180	.70120	-.05210	.14140	.08940	.00070	.00010	-.00040	-.01000	-1.62010	-1.73060
1.510	15.820	.73110	-.05410	.14050	.08830	.00100	.00000	-.00030	-.01000	-1.58870	-1.75340
1.510	16.480	.76280	-.05650	.13960	.08690	.00110	.00010	-.00030	-.01000	-1.63590	-1.76850
1.510	17.120	.79100	-.05810	.13820	.08470	.00070	.00020	-.00040	-.01000	-1.68300	-1.82920
1.510	17.740	.82230	-.06050	.13790	.08420	.00090	.00020	-.00030	-.01000	-1.66730	-1.79130
1.510	18.370	.85580	-.06190	.13730	.08310	.00040	.00010	-.00040	-.01000	-1.69870	-1.83680
1.510	19.030	.88210	-.06330	.13590	.08110	.00050	.00030	-.00040	-.01000	-1.77720	-1.85200
1.510	19.650	.91140	-.06480	.13490	.07980	.00050	.00030	-.00040	-.01000	-1.73010	-1.88990
1.510	20.190	.93990	-.06660	.13480	.07990	.00080	.00020	-.00030	-.01000	-1.70650	-1.85200
1.510	20.690	.95960	-.06720	.13320	.07790	.00090	.00030	-.00020	-.02000	-1.79290	-1.86710
1.510	21.080	.97980	-.06810	.13290	.07760	.00100	.00010	-.00010	-.01000	-1.78510	-1.85200
1.510	21.380	.99260	-.06050	.13200	.07670	.00080	.00000	-.00020	-.01000	-1.73010	-1.85950
1.510	21.600	1.00410	-.06990	.13130	.07610	.00120	.00000	-.00010	-.02000	-1.77720	-1.85950

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD033)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 85/ 0 RN/L = 10.36

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-.440	-.06120	-.00100	.11350	.09770	.00050	.00020	.00070	.00000	.50010	.30930
2.990	-.060	-.05200	-.00220	.11300	.09720	.00080	.00020	.00070	.00000	.51580	.30930
2.990	.930	-.02530	-.00240	.11090	.09510	.00030	.00020	.00060	.00000	.49220	.31690
2.990	1.800	-.00270	-.00260	.10980	.09390	.00030	.00010	.00060	.00000	.50790	.24110
2.990	2.590	.01650	-.00370	.10910	.09310	.00050	.00010	.00060	.00000	.50790	.21070
2.990	3.400	.03830	-.00280	.10780	.09140	.00020	.00010	.00050	.00000	.55500	.10460
2.990	4.210	.06030	-.00280	.10630	.08970	.00030	.00010	.00040	.00000	.55500	.05910
2.990	5.000	.08130	-.00420	.10490	.08820	.00040	.00000	.00040	.00000	.37440	-.00150
2.990	5.820	.10440	-.00460	.10310	.08620	.00020	.00000	.00030	.00000	.25660	-.06220
2.990	6.620	.12780	-.00540	.10160	.08430	.00020	-.00010	.00030	.00000	.23310	-.28970
2.990	7.430	.15270	-.00620	.10040	.08310	.00010	-.00010	.00020	.00000	.15450	-.45650
2.990	8.250	.17720	-.00670	.09920	.08170	.00010	-.00020	.00020	.00000	.06030	-.56270
2.990	9.070	.20200	-.00720	.09810	.08050	.00000	-.00020	.00020	.00000	-.04950	-.60820
2.990	9.890	.22690	-.00850	.09710	.07930	.00000	-.00030	.00020	-.01000	-.08100	-.72960
2.990	10.700	.25310	-.00950	.09630	.07840	-.00020	-.00030	.00010	-.01000	-.13590	-.82810
2.990	11.520	.28000	-.01080	.09560	.07750	-.00040	-.00030	.00010	-.01000	-.19870	-.90400
2.990	12.340	.30620	-.01130	.09490	.07670	-.00070	-.00030	.00000	-.01000	-.28510	-.97220
2.990	13.160	.33240	-.01270	.09390	.07540	-.00070	-.00040	.00000	-.01000	-.45000	-1.01770
2.990	13.980	.35920	-.01380	.09280	.07430	-.00070	-.00020	.00010	-.01000	-.42650	-1.09360
2.990	14.800	.38590	-.01470	.09170	.07300	-.00050	-.00040	.00000	-.01000	-.48150	-1.15430
2.990	15.620	.41450	-.01570	.09090	.07220	-.00050	-.00010	.00010	-.01000	-.48150	-1.19980
2.990	16.450	.44310	-.01650	.08980	.07110	-.00090	-.00020	.00000	-.01000	-.48150	-1.19220
2.990	17.270	.47020	-.01810	.08900	.07010	-.00080	-.00030	.00010	-.01000	-.57570	-1.23770
2.990	18.090	.49940	-.01920	.08810	.06910	-.00070	-.00030	.00010	-.01000	-.63850	-1.26040
2.990	18.910	.52870	-.02050	.08690	.06790	-.00060	-.00030	.00010	-.01000	-.73280	-1.31350
2.990	19.730	.55940	-.02210	.08540	.06630	-.00120	-.00040	.00000	-.01000	-.80340	-1.36660
2.990	20.560	.58880	-.02410	.08380	.06470	-.00130	-.00040	.00000	-.01000	-.96050	-1.39690
2.990	21.360	.62120	-.02560	.08230	.06310	-.00160	-.00030	.00000	-.02000	-1.12540	-1.45000
2.990	22.180	.65250	-.02760	.08120	.06220	-.00140	-.00040	-.00010	-.02000	-1.20390	-1.44240
2.990	23.010	.68590	-.02870	.07990	.06090	-.00190	-.00050	-.00010	-.02000	-1.28250	-1.49550
2.990	23.820	.71850	-.03070	.07880	.05960	-.00190	-.00050	.00000	-.02000	-1.35320	-1.57140
2.990	24.640	.75040	-.03280	.07780	.05860	-.00180	-.00050	.00000	-.02000	-1.46310	-1.57140
2.990	25.470	.78290	-.03460	.07660	.05740	-.00210	-.00040	.00000	-.02000	-1.54160	-1.61690
2.990	26.270	.81850	-.03660	.07580	.05650	-.00210	-.00040	.00000	-.02000	-1.54160	-1.69270
2.990	27.080	.85230	-.03790	.07440	.05520	-.00250	-.00040	.00000	-.02000	-1.63590	-1.70030
2.990	27.900	.88750	-.03990	.07320	.05410	-.00230	-.00050	.00000	-.02000	-1.63590	-1.79130
2.990	28.710	.92220	-.04170	.07200	.05280	-.00240	-.00060	-.00010	-.02000	-1.68300	-1.78370
2.990	29.530	.95650	-.04360	.07040	.05110	-.00230	-.00050	.00000	-.02000	-1.79290	-1.86710
2.990	30.330	.99180	-.04570	.06900	.04980	-.00240	-.00050	-.00010	-.02000	-1.86360	-1.94300
2.990	31.130	1.02690	-.04800	.06760	.04840	-.00210	-.00060	-.00010	-.02000	-1.90290	-1.98850
2.990	31.930	1.06200	-.05020	.06610	.04690	-.00240	-.00050	-.00020	-.02000	-2.04420	-2.05670
2.990	32.720	1.09720	-.05200	.06460	.04540	-.00310	-.00010	-.00060	-.03000	-2.07560	-2.07190

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD033)

PARAMETRIC DATA

ELEVON =	.000	AILERON =	.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 85/ 0 RN/L = 10.36

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	33.490	1.13150	-.05390	.06350	.04430	-.00350	.00020	-.00090	-.03000	-2.17770	-2.16290
2.990	34.250	1.16390	-.05590	.06240	.04300	-.00350	.00040	-.00110	-.03000	-2.22480	-2.20840
2.990	34.770	1.18740	-.05800	.06180	.04260	-.00320	.00050	-.00120	-.03000	-2.31910	-2.20980

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD034)

PARAMETRIC DATA

ELEVON *	.000	AILRON =	.000
SPDBRK *	55.000	RN/L =	16.000
GRITNO *	.000	RCSP05 =	1.000
BETA *	.000	ALFSWP =	1.000
BDFLAP *	.000	RUDDER =	.000

RUN NO. 70/ 0 RN/L = 17.94

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	.170	-.05440	-.01380	.09490	.09090	-.00120	-.00020	.00000	.00000	.38230	.52920
4.591	1.270	-.02980	-.01370	.09190	.08830	-.00090	-.00030	.00000	.00000	.32730	.44580
4.591	2.270	-.00980	-.01140	.08940	.08550	.00200	-.00020	.00000	.00000	.34300	.44580
4.591	3.200	.01290	-.01040	.08720	.08330	.00230	-.00020	.00010	.00000	.43720	.37760
4.591	4.130	.03360	-.00960	.08470	.08070	.00210	-.00030	.00010	.00000	.42940	.41550
4.591	5.060	.05480	-.01010	.08320	.07950	.00190	.00020	.00000	.00000	.36660	.32450
4.591	6.020	.07680	-.00970	.08160	.07770	-.00310	-.00020	-.00010	.00000	.40580	.30930
4.591	6.960	.10030	-.00880	.08010	.07620	-.00420	-.00010	-.00030	.00000	.32730	.19560
4.591	7.900	.12020	-.00990	.07960	.07550	-.00120	-.00010	.00000	.00000	.32730	.02870
4.591	8.840	.14300	-.00930	.07800	.07420	-.00050	.00000	.00000	-.01000	.24880	-.00910
4.591	9.780	.16850	-.00910	.07730	.07360	-.00050	.00000	.00000	-.01000	.23310	-.08490
4.591	10.730	.19630	-.00870	.07670	.07280	-.00050	.00000	-.00010	-.01000	.20170	-.13040
4.591	11.670	.22220	-.00850	.07610	.07230	-.00010	.00000	.00000	-.01000	.15450	-.20630
4.591	12.640	.24850	-.01000	.07530	.07140	.00000	-.00020	.00000	-.01000	.10740	-.20970
4.591	13.570	.27850	-.01040	.07470	.07050	-.00020	-.00030	-.00010	-.01000	.06030	-.37310
4.591	14.530	.30890	-.01090	.07360	.06950	.00000	.00000	-.00010	-.01000	-.00240	-.40350
4.591	15.500	.33710	-.01090	.07300	.06930	-.00030	.00000	-.00020	-.01000	-.02600	-.45650
4.591	16.440	.36710	-.01180	.07180	.06750	-.00030	-.00010	-.00030	-.01000	-.07310	-.57030
4.591	17.420	.39650	-.01290	.07060	.06670	-.00040	-.00030	-.00040	-.01000	-.05740	-.63860
4.591	18.370	.42880	-.01330	.07020	.06640	-.00050	-.00060	-.00040	-.01000	-.12020	-.65370
4.591	19.330	.45960	-.01390	.06930	.06550	-.00040	-.00040	-.00050	-.02000	-.16730	-.72960
4.591	20.290	.49330	-.01510	.06840	.06460	-.00040	-.00040	-.00060	-.02000	-.19880	-.84330
4.591	21.260	.52670	-.01610	.06770	.06370	-.00070	-.00040	-.00070	-.02000	-.25370	-.87370
4.591	22.210	.56100	-.01670	.06750	.06320	-.00100	-.00050	-.00080	-.02000	-.40290	-.97220
4.591	23.180	.59720	-.01740	.06750	.06330	-.00060	-.00050	-.00080	-.02000	-.40290	-1.03290
4.591	24.160	.63520	-.01830	.06690	.06290	-.00020	-.00030	-.00060	-.02000	-.44220	-1.07080
4.591	25.110	.67310	-.01940	.06620	.06200	.00000	-.00040	-.00060	-.02000	-.50360	-1.09360
4.591	26.080	.71090	-.02050	.06590	.06180	.00000	-.00050	-.00070	-.02000	-.67760	-1.13910
4.591	27.030	.74820	-.02200	.06540	.06130	-.00030	-.00060	-.00090	-.02000	-.77990	-1.21490
4.591	27.980	.78650	-.02350	.06490	.06050	-.00050	-.00060	-.00090	-.02000	-.97620	-1.27560
4.591	28.940	.82600	-.02500	.06430	.05990	-.00050	-.00030	-.00090	-.03000	-1.07010	-1.28320
4.591	29.880	.86900	-.02660	.06360	.05920	-.00010	-.00010	-.00110	-.03000	-1.20390	-1.34380
4.591	30.830	.91110	-.02810	.06270	.05860	.00010	-.00040	-.00110	-.03000	-1.25110	-1.38180
4.591	31.780	.94930	-.03020	.06210	.05810	.00050	-.00020	-.00110	-.03000	-1.33740	-1.46520
4.591	32.720	.99030	-.03190	.06140	.05730	.00080	-.00030	-.00120	-.03000	-1.41600	-1.45760
4.591	33.630	1.03060	-.03350	.06090	.05680	.00150	-.00060	-.00100	-.03000	-1.48660	-1.52590
4.591	34.430	1.06960	-.03510	.06080	.05660	.00180	-.00040	-.00100	-.03000	-1.68300	-1.59410
4.591	34.810	1.08560	-.03550	.06090	.05680	.00180	-.00050	-.00100	-.03000	-1.72220	-1.59410

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD534)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1070/ 0 RN/L = 18.66

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-.230	-.06390	-.01160	.09580	.09180	-.00040	-.00010	.00000	.00000	-.78770	-1.01020
4.591	.130	-.05670	-.01190	.09460	.09020	-.00080	-.00010	.00000	.00000	-.82700	-1.02530
4.591	.880	-.03970	-.01170	.09270	.08830	-.00030	-.00010	.00000	.00000	-.86630	-1.07080
4.591	1.880	-.01880	-.01160	.09050	.08640	-.00080	-.00010	.00000	.00000	-.85840	-1.06320
4.591	2.900	.00290	-.01030	.08880	.08450	-.00050	.00000	.00000	.00000	-.96050	-1.10880
4.591	3.950	.02630	-.00970	.08660	.08220	-.00030	.00000	.00000	.00000	-.97620	-1.12390
4.591	5.000	.05020	-.01000	.08440	.08020	-.00040	.00000	.00000	.00000	-.99190	-1.15430
4.591	6.040	.07450	-.01010	.08230	.07790	-.00080	.00000	.00000	.00000	-1.08620	-1.21490
4.591	7.110	.10080	-.00970	.08120	.07710	-.00060	.00000	.00000	.00000	-1.05470	-1.23770
4.591	8.200	.12720	-.00910	.08030	.07630	-.00100	.00000	.00000	.00000	-1.10190	-1.23770
4.591	9.300	.15560	-.00800	.07950	.07530	-.00070	.00000	.00000	-.01000	-1.08620	-1.23770
4.591	10.420	.18490	-.00870	.07870	.07440	-.00090	.00000	.00000	-.01000	-1.13330	-1.24530
4.591	11.520	.21750	-.00890	.07750	.07330	-.00010	.00000	.00000	-.01000	-1.14110	-1.26800
4.591	12.650	.24950	-.01010	.07660	.07230	-.00010	.00000	-.00010	-.01000	-1.20390	-1.32110
4.591	13.780	.28260	-.01000	.07560	.07130	-.00060	.00000	-.00010	-.01000	-1.20390	-1.33630
4.591	14.930	.31800	-.00950	.07440	.07010	-.00090	.00000	-.00010	-.01000	-1.18820	-1.32870
4.591	16.080	.35480	-.00970	.07340	.06910	-.00090	.00000	-.00020	-.01000	-1.24320	-1.35140
4.591	17.240	.39280	-.01100	.07210	.06770	-.00050	-.00010	-.00020	-.01000	-1.25890	-1.41970
4.591	18.390	.42920	-.01210	.07080	.06650	-.00020	-.00010	-.00030	-.02000	-1.28250	-1.42730
4.591	19.570	.47020	-.01230	.07010	.06610	-.00110	-.00020	-.00050	-.02000	-1.32960	-1.45000
4.591	20.760	.50920	-.01370	.06890	.06460	-.00080	-.00020	-.00060	-.02000	-1.35310	-1.42730
4.591	21.930	.55200	-.01440	.06830	.06430	-.00120	-.00040	-.00060	-.02000	-1.35310	-1.45760
4.591	23.130	.59640	-.01620	.06750	.06330	-.00080	-.00020	-.00070	-.02000	-1.40810	-1.46520
4.591	24.320	.64330	-.01750	.06690	.06290	-.00050	-.00020	-.00070	-.02000	-1.41600	-1.49550
4.591	25.540	.69140	-.01950	.06600	.06160	-.00010	-.00020	-.00060	-.02000	-1.47090	-1.51070
4.591	26.760	.74030	-.02140	.06560	.06130	-.00020	-.00030	-.00070	-.02000	-1.53380	-1.52590
4.591	27.970	.79950	-.02350	.06510	.06100	-.00050	-.00030	-.00080	-.02000	-1.54160	-1.55620
4.591	29.210	.84250	-.02620	.06390	.05980	-.00040	-.00010	-.00090	-.03000	-1.58090	-1.61690
4.591	30.450	.89550	-.02810	.06310	.05870	-.00010	.00000	-.00110	-.03000	-1.59660	-1.63200
4.591	31.660	.94950	-.03080	.06240	.05840	.00080	-.00010	-.00100	-.03000	-1.57300	-1.61690
4.591	32.870	1.00340	-.03300	.06190	.05780	.00160	-.00010	-.00110	-.03000	-1.63590	-1.63700
4.591	33.880	1.04920	-.03420	.06140	.05730	.00190	-.00040	-.00100	-.03000	-1.64370	-1.64720
4.591	34.540	1.07740	-.03570	.06140	.05730	.00230	-.00040	-.00090	-.03000	-1.66730	-1.68510
4.591	34.770	1.08600	-.03560	.06060	.05630	.00210	-.00040	-.00100	-.03000	-1.67510	-1.65480

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TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD035)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 125/ 0 RN/L = 7.96

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-1.890	-.10100	.05010	.17370	.21760	-.01970	.00140	-.00100	1.05000	1.88220	1.76540
1.510	-1.320	-.07420	.04600	.17250	.21570	-.01860	.00130	-.00100	1.05000	1.88220	1.76540
1.510	-.550	-.03570	.03900	.17280	.21680	-.01890	.00130	-.00120	1.05000	1.89790	1.72753
1.510	.070	-.00240	.03300	.17210	.21630	-.01850	.00120	-.00130	1.04000	1.93720	1.70470
1.510	.710	.03010	.02690	.17060	.21420	-.01820	.00110	-.00130	1.04000	1.90570	1.67440
1.510	1.270	.06060	.02240	.17030	.21440	-.01710	.00110	-.00140	1.04000	1.88220	1.68960
1.510	1.810	.08660	.01740	.16870	.21220	-.01690	.00090	-.00130	1.04000	1.86650	1.63650
1.510	2.380	.11530	.01270	.16840	.21260	-.01630	.00080	-.00150	1.04000	1.81940	1.57580
1.510	2.940	.14150	.00860	.16650	.20980	-.01610	.00060	-.00140	1.04000	1.78800	1.48480
1.510	3.500	.16630	.00440	.16560	.20910	-.01630	.00050	-.00140	1.04000	1.65450	1.28000
1.510	4.080	.19650	.00010	.16460	.20840	-.01610	.00040	-.00150	1.04000	1.32460	1.12840
1.510	4.640	.22210	-.00320	.16290	.20620	-.01610	.00030	-.00170	1.04000	1.02620	1.00700
1.510	5.200	.24910	-.00660	.16160	.20510	-.01640	.00030	-.00160	1.04000	.77490	.79470
1.510	5.780	.27930	-.01010	.16120	.20500	-.01580	.00030	-.00170	1.04000	.65710	.60510
1.510	6.340	.30530	-.01440	.15990	.20320	-.01660	.00020	-.00170	1.04000	.51580	.43820
1.510	6.920	.33480	-.01840	.15940	.20280	-.01580	.00020	-.00170	1.04000	.57070	.31690
1.510	7.460	.36090	-.02290	.15860	.20190	-.01680	.00020	-.00150	1.04000	.52360	.16520
1.510	8.050	.38790	-.02540	.15820	.20120	-.01550	.00030	-.00150	1.04000	.46080	.08940
1.510	8.600	.41270	-.02910	.15760	.20030	-.01590	.00030	-.00170	1.04000	.46860	-.03190
1.510	9.170	.44030	-.03140	.15720	.19960	-.01530	.00030	-.00190	1.04000	.32730	-.10770
1.510	9.750	.46970	-.03480	.15660	.19920	-.01600	.00020	-.00110	1.04000	.24880	-.16840
1.510	10.300	.49390	-.03720	.15520	.19730	-.01540	.00030	-.00110	1.04000	.13880	-.35040
1.510	10.880	.52240	-.04030	.15450	.19730	-.01550	.00030	-.00160	1.04000	-.01810	-.43380
1.510	11.430	.54620	-.04350	.15320	.19590	-.01620	.00020	-.00160	1.04000	-.13590	-.60060
1.510	11.990	.57220	-.04560	.15140	.19370	-.01600	.00020	-.00150	1.04000	-.16730	-.65370
1.510	12.570	.59920	-.04720	.15030	.19340	-.01580	.00010	-.00150	1.04000	-.27730	-.72200
1.510	13.130	.62460	-.05000	.14870	.19160	-.01650	.00010	-.00160	1.04000	-.26940	-.84330
1.510	13.700	.65160	-.05180	.14720	.19000	-.01530	.00000	-.00160	1.04000	-.41860	-.91920
1.510	14.240	.67480	-.05310	.14560	.18750	-.01550	.00000	-.00170	1.04000	-.41860	-.97220
1.510	14.810	.70180	-.05550	.14460	.18660	-.01640	.00000	-.00170	1.04000	-.40290	-1.02530
1.510	15.390	.72810	-.05710	.14370	.18590	-.01670	-.00010	-.00170	1.04000	-.44220	-1.04050
1.510	15.940	.75370	-.05860	.14280	.18470	-.01680	-.00020	-.00170	1.04000	-.53640	-1.10880
1.510	16.500	.78120	-.06060	.14200	.18350	-.01650	-.00030	-.00160	1.04000	-.55210	-1.09360
1.510	17.060	.80710	-.06170	.14110	.18260	-.01620	-.00050	-.00160	1.04000	-.58350	-1.13150
1.510	17.610	.83120	-.06260	.14030	.18100	-.01520	-.00060	-.00160	1.03000	-.60710	-1.18460
1.510	18.180	.85060	-.06490	.13990	.18100	-.01550	-.00080	-.00170	1.04000	-.68560	-1.29330
1.510	18.720	.88310	-.06580	.13900	.17950	-.01490	-.00100	-.00180	1.03000	-.78770	-1.34380
1.510	19.280	.90840	-.06610	.13840	.17860	-.01420	-.00120	-.00170	1.03000	-.84270	-1.38940
1.510	19.810	.93300	-.06760	.13700	.17670	-.01360	-.00140	-.00170	1.03000	-.93690	-1.43490
1.510	20.360	.95730	-.06750	.13580	.17540	-.01270	-.00160	-.00180	1.03000	-1.10190	-1.48040
1.510	20.900	.98390	-.06910	.13460	.17460	-.01230	-.00170	-.00180	1.03000	-1.21960	-1.53340
1.510	21.440	1.00990	-.07040	.13360	.17390	-.01250	-.00200	-.00180	1.03000	-1.24320	-1.58650

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD035)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 125/ 0 RN/L = 7.96

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	21.960	1.03500	-.07020	.13280	.17300	-.01190	-.00220	-.00170	1.03000	-1.30600	-1.56380
1.510	22.340	1.05230	-.07050	.13160	.17150	-.01140	-.00240	-.00170	1.03000	-1.32170	-1.59410

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD035)

PARAMETRIC DATA

ELEVON =	.000	ATLRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 127/ 0 RN/L = 8.06

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-1.970	-.10630	.02960	.14830	.22030	-.01990	.00100	-.00130	1.05000	.53930	1.34830
2.010	-1.450	-.08570	.02690	.14770	.22010	-.01910	.00100	-.00140	1.05000	.50790	1.30280
2.010	-.670	-.05500	.02260	.14680	.21980	-.01890	.00080	-.00140	1.05000	.49220	1.28000
2.010	-.030	-.03040	.01810	.14600	.21910	-.01810	.00070	-.00130	1.04000	.50790	1.28000
2.010	.600	-.00390	.01540	.14550	.21890	-.01850	.00060	-.00130	1.05000	.53930	1.18150
2.010	1.160	.01720	.01240	.14420	.21690	-.01830	.00070	-.00120	1.04000	.57070	1.09050
2.010	1.720	.03580	.01040	.14360	.21630	-.01760	.00050	-.00100	1.04000	.50790	1.00700
2.010	2.310	.05970	.00770	.14280	.21540	-.01720	.00040	-.00080	1.04000	.36660	.84020
2.010	2.870	.08320	.00590	.14250	.21540	-.01740	.00020	-.00080	1.04000	.42940	.68850
2.010	3.460	.10350	.00360	.14100	.21350	-.01670	.00020	-.00070	1.04000	.32730	.34720
2.010	4.030	.12350	.00160	.13990	.21220	-.01620	.00020	-.00070	1.04000	.09950	.14250
2.010	4.590	.14360	-.00040	.13870	.21060	-.01580	.00010	-.00080	1.04000	-.09670	.00600
2.010	5.160	.16360	-.00230	.13840	.21040	-.01610	.00010	-.00090	1.04000	-.23800	-.16080
2.010	5.730	.18540	-.00410	.13700	.20850	-.01520	.00000	-.00070	1.04000	-.28510	-.32760
2.010	6.310	.20970	-.00690	.13690	.20850	-.01550	-.00010	-.00080	1.04000	-.43290	-.48690
2.010	6.890	.22990	-.00850	.13590	.20710	-.01510	-.00020	-.00070	1.04000	-.46580	-.60060
2.010	7.440	.24880	-.01020	.13450	.20570	-.01460	-.00020	-.00080	1.03000	-.59140	-.66890
2.010	8.040	.27190	-.01160	.13370	.20450	-.01490	-.00030	-.00080	1.03000	-.55210	-.75990
2.010	8.610	.29210	-.01360	.13340	.20450	-.01510	-.00030	-.00090	1.03000	-.59140	-.85090
2.010	9.180	.31490	-.01450	.13180	.20250	-.01470	-.00040	-.00090	1.03000	-.70130	-.91920
2.010	9.750	.33410	-.01620	.13070	.20140	-.01460	-.00030	-.00110	1.03000	-.72490	-.92670
2.010	10.330	.35770	-.01740	.13000	.20070	-.01450	-.00040	-.00110	1.03000	-.88200	-1.03290
2.010	10.920	.37970	-.01760	.12930	.20000	-.01480	-.00040	-.00120	1.03000	-.99190	-1.02530
2.010	11.500	.40200	-.01820	.12770	.19800	-.01500	-.00060	-.00120	1.03000	-1.12540	-1.06320
2.010	12.090	.42460	-.01910	.12700	.19750	-.01520	-.00060	-.00140	1.03000	-1.13330	-1.09360
2.010	12.680	.44830	-.01970	.12550	.19570	-.01470	-.00070	-.00140	1.03000	-1.27460	-1.13150
2.010	13.230	.47270	-.02080	.12440	.19470	-.01440	-.00090	-.00150	1.03000	-1.37670	-1.21490
2.010	13.830	.49470	-.02220	.12330	.19370	-.01430	-.00090	-.00150	1.03000	-1.47090	-1.23770
2.010	14.390	.51770	-.02290	.12140	.19150	-.01400	-.00120	-.00150	1.03000	-1.54160	-1.23010
2.010	14.980	.54170	-.02350	.12010	.19020	-.01320	-.00130	-.00160	1.03000	-1.61230	-1.26800
2.010	15.560	.56510	-.02510	.11950	.19010	-.01330	-.00130	-.00180	1.03000	-1.59660	-1.32110
2.010	16.120	.58720	-.02590	.11770	.18820	-.01270	-.00140	-.00180	1.03000	-1.73800	-1.33630
2.010	16.700	.61080	-.02720	.11660	.18720	-.01280	-.00150	-.00120	1.03000	-1.76150	-1.37420
2.010	17.270	.63730	-.02870	.11560	.18640	-.01190	-.00160	-.00200	1.03000	-1.81650	-1.38940
2.010	17.860	.65990	-.03000	.11480	.18580	-.01150	-.00170	-.00200	1.02000	-1.91070	-1.48790
2.010	18.410	.68020	-.03150	.11350	.18390	-.01170	-.00190	-.00190	1.02000	-1.97350	-1.50310
2.010	18.990	.70480	-.03320	.11280	.18320	-.01070	-.00210	-.00180	1.02000	-2.00500	-1.54860
2.010	19.560	.72870	-.03410	.11120	.18240	-.01000	-.00230	-.00180	1.02000	-2.09130	-1.61690
2.010	20.110	.75210	-.03620	.11120	.18160	-.01040	-.00250	-.00170	1.02000	-2.18560	-1.73060
2.010	20.680	.77590	-.03700	.11020	.18070	-.00980	-.00280	-.00170	1.02000	-2.27980	-1.73820
2.010	21.230	.79720	-.03800	.10890	.17900	-.00950	-.00300	-.00160	1.02000	-2.26410	-1.78370
2.010	21.810	.82220	-.03940	.10800	.17820	-.00840	-.00320	-.00160	1.02000	-2.36620	-1.85200

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD035)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 127/ 0 RN/L = 8.06

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	22.320	.84190	-.04130	.10640	.17630	-.00890	-.00350	-.00150	1.02000	-2.32690	-1.88230
2.010	22.830	.86490	-.04290	.10550	.17560	-.00860	-.00370	-.00140	1.02000	-2.39760	-1.92020
2.010	23.210	.88420	-.04420	.10480	.17510	-.00800	-.00390	-.00140	1.02000	-2.42900	-1.90500

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD535)

PARAMETRIC DATA

ELEVON *	.000	AILRON *	.000
SPOBRK *	55.000	RN/L *	8.000
GRITNO *	.000	RCSPOS *	1.000
BETA *	1.000	ALFSWP *	2.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 1125/ 0 RN/L = 7.97

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-1.960	-.10590	.05260	.17320	.21750	-.01960	.00150	-.00100	1.05000	1.70940	1.62130
1.510	-1.710	-.09330	.05000	.17320	.21750	-.01960	.00150	-.00100	1.05000	1.59160	1.57580
1.510	-1.440	-.07710	.04770	.17270	.21670	-.01870	.00150	-.00110	1.05000	1.55240	1.59100
1.510	-1.040	-.05770	.04430	.17210	.21570	-.01850	.00140	-.00110	1.04000	1.36390	1.49240
1.510	-.520	-.02970	.03970	.17150	.21490	-.01800	.00140	-.00120	1.04000	1.30890	1.38620
1.510	.060	-.00160	.03400	.17120	.21520	-.01870	.00130	-.00120	1.05000	1.25400	1.13600
1.510	.680	.03010	.02970	.17020	.21360	-.01760	.00120	-.00120	1.04000	1.13620	1.00700
1.510	1.310	.05950	.02430	.16920	.21270	-.01800	.00110	-.00120	1.04000	.86137	.73400
1.510	1.950	.09080	.02010	.16830	.21190	-.01730	.00100	-.00130	1.04000	.66500	.46860
1.510	2.590	.12280	.01560	.16640	.20940	-.01610	.00090	-.00140	1.04000	.37440	.24860
1.510	3.240	.15350	.01070	.16540	.20850	-.01620	.00070	-.00150	1.04000	.14670	-.09250
1.510	3.890	.18400	.00660	.16420	.20750	-.01610	.00070	-.00170	1.04000	-.13590	-.42620
1.510	4.550	.21600	.00210	.16250	.20580	-.01580	.00050	-.00180	1.04000	-.20660	-.60060
1.510	5.190	.24770	-.00210	.16040	.20320	-.01570	.00050	-.00190	1.04000	-.25370	-.76750
1.510	5.860	.28060	-.00710	.15960	.20310	-.01630	.00040	-.00180	1.04000	-.34010	-.88120
1.510	6.510	.31050	-.01170	.15790	.20080	-.01630	.00040	-.00200	1.04000	-.38720	-1.02530
1.510	7.180	.34330	-.01640	.15710	.20010	-.01710	.00040	-.00190	1.04000	-.50500	-1.11630
1.510	7.840	.37710	-.02090	.15630	.19880	-.01610	.00040	-.00180	1.04000	-.55210	-1.09360
1.510	8.500	.40790	-.02500	.15570	.19770	-.01590	.00050	-.00180	1.04000	-.63850	-1.15430
1.510	9.180	.44100	-.02910	.15520	.19750	-.01640	.00050	-.00170	1.04000	-.63850	-1.19220
1.510	9.860	.47220	-.03230	.15460	.19700	-.01630	.00050	-.00170	1.04000	-.70130	-1.29830
1.510	10.540	.50230	-.03570	.15340	.19550	-.01650	.00040	-.00160	1.04000	-.71710	-1.33530
1.510	11.200	.53450	-.03890	.15190	.19340	-.01550	.00040	-.00170	1.04000	-.84270	-1.30590
1.510	11.890	.56720	-.04260	.15080	.19300	-.01600	.00030	-.00170	1.04000	-.92910	-1.40450
1.510	12.570	.59770	-.04510	.14890	.19050	-.01570	.00030	-.00170	1.04000	-.98410	-1.40450
1.510	13.250	.63010	-.04780	.14710	.18860	-.01580	.00020	-.00160	1.04000	-1.00760	-1.41970
1.510	13.940	.65990	-.05060	.14540	.18670	-.01630	.00010	-.00170	1.04000	-1.05470	-1.51070
1.510	14.640	.69480	-.05330	.14430	.18600	-.01640	.00000	-.00170	1.04000	-1.10970	-1.52590
1.510	15.340	.72710	-.05530	.14310	.18470	-.01620	-.00010	-.00170	1.04000	-1.15680	-1.52590
1.510	16.020	.75780	-.05810	.14180	.18260	-.01600	-.00020	-.00170	1.04000	-1.26680	-1.53340
1.510	16.750	.79470	-.05990	.14120	.18240	-.01560	-.00030	-.00160	1.04000	-1.25890	-1.54100
1.510	17.440	.82540	-.06190	.14020	.18130	-.01560	-.00060	-.00150	1.04000	-1.26680	-1.56650
1.510	18.100	.85240	-.06330	.13880	.17880	-.01450	-.00070	-.00160	1.03000	-1.29030	-1.63960
1.510	18.790	.88740	-.06540	.13810	.17800	-.01390	-.00100	-.00170	1.03000	-1.33740	-1.63960
1.510	19.500	.92250	-.06680	.13740	.17740	-.01270	-.00120	-.00170	1.03000	-1.29030	-1.63200
1.510	20.180	.95440	-.06930	.13620	.17620	-.01260	-.00150	-.00170	1.03000	-1.37670	-1.61690
1.510	20.810	.98290	-.06810	.13480	.17450	-.01160	-.00170	-.00170	1.03000	-1.30600	-1.61690
1.510	21.360	1.00620	-.06880	.13360	.17320	-.01110	-.00190	-.00180	1.03000	-1.35320	-1.63960
1.510	21.830	1.03130	-.07100	.13310	.17330	-.01160	-.00210	-.00170	1.03000	-1.39240	-1.68510
1.510	22.170	1.04520	-.07000	.13230	.17190	-.01050	-.00230	-.00170	1.02000	-1.40810	-1.62440
1.510	22.500	1.05730	-.07070	.13090	.17050	-.01040	-.00250	-.00180	1.02000	-1.35320	-1.56240

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD535)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1127/ 0 RN/L = 8.05

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-2.000	-.10800	.03080	.14870	.22060	-.01920	.00100	-.00120	1.05000	.24090	.90840
2.010	-1.790	-.09980	.02990	.14770	.21920	-.01950	.00100	-.00130	1.05000	.17020	.75680
2.010	-1.530	-.08920	.02790	.14770	.21910	-.01900	.00090	-.00120	1.05000	.09950	.63540
2.010	-1.160	-.07460	.02630	.14760	.21920	-.01900	.00080	-.00120	1.05000	.02890	.50650
2.010	-.690	-.05670	.02360	.14690	.21850	-.01880	.00070	-.00120	1.05000	-.07310	.28660
2.010	-.160	-.03580	.02070	.14600	.21760	-.01860	.00080	-.00130	1.05000	-.19090	-.01670
2.010	.440	-.01250	.01850	.14530	.21700	-.01860	.00070	-.00130	1.05000	-.37150	-.31250
2.010	1.070	.01220	.01570	.14400	.21530	-.01800	.00060	-.00110	1.04000	-.56780	-.54750
2.010	1.720	.03620	.01330	.14370	.21520	-.01790	.00050	-.00100	1.04000	-.77200	-.82810
2.010	2.330	.05930	.01100	.14230	.21350	-.01760	.00050	-.00100	1.04000	-.99190	-1.13150
2.010	2.980	.08370	.00840	.14090	.21190	-.01690	.00040	-.00100	1.04000	-1.27460	-1.19220
2.010	3.640	.10770	.00640	.14050	.21190	-.01710	.00030	-.00110	1.04000	-1.43950	-1.29830
2.010	4.280	.13190	.00370	.13930	.21060	-.01660	.00020	-.00110	1.04000	-1.54950	-1.36660
2.010	4.930	.15590	.00030	.13820	.20960	-.01610	.00020	-.00110	1.04000	-1.68300	-1.35900
2.010	5.550	.17980	-.00140	.13660	.20750	-.01570	.00000	-.00090	1.04000	-1.70650	-1.42730
2.010	6.210	.20480	-.00390	.13560	.20660	-.01560	.00000	-.00090	1.04000	-1.85570	-1.45000
2.010	6.870	.22750	-.00680	.13510	.20650	-.01560	.00000	-.00100	1.04000	-1.95780	-1.47280
2.010	7.520	.25180	-.00900	.13400	.20530	-.01540	.00000	-.00100	1.04000	-1.96570	-1.50310
2.010	8.180	.27600	-.01070	.13290	.20410	-.01550	-.00010	-.00110	1.04000	-1.96570	-1.54860
2.010	8.820	.29950	-.01170	.13130	.20190	-.01500	-.00020	-.00100	1.03000	-2.06780	-1.59410
2.010	9.490	.32450	-.01400	.13080	.20150	-.01530	-.00020	-.00120	1.03000	-2.06780	-1.59410
2.010	10.150	.35070	-.01510	.12920	.19930	-.01530	-.00030	-.00120	1.03000	-2.11490	-1.63200
2.010	10.830	.37640	-.01600	.12820	.19830	-.01480	-.00040	-.00120	1.03000	-2.16200	-1.73060
2.010	11.500	.40300	-.01650	.12710	.19750	-.01510	-.00050	-.00130	1.03000	-2.18560	-1.75340
2.010	12.190	.43030	-.01800	.12500	.19670	-.01450	-.00060	-.00140	1.03000	-2.17770	-1.79130
2.010	12.850	.45630	-.01960	.12440	.19490	-.01450	-.00070	-.00150	1.03000	-2.24050	-1.79130
2.010	13.550	.48560	-.02040	.12290	.19390	-.01410	-.00080	-.00160	1.03000	-2.22480	-1.81400
2.010	14.230	.51310	-.02250	.12140	.19220	-.01420	-.00100	-.00160	1.03000	-2.24840	-1.79130
2.010	14.920	.54120	-.02370	.12010	.19100	-.01310	-.00120	-.00170	1.03000	-2.24050	-1.82920
2.010	15.620	.56940	-.02430	.11850	.18940	-.01280	-.00130	-.00180	1.03000	-2.25620	-1.87470
2.010	16.300	.59820	-.02580	.11730	.18820	-.01210	-.00140	-.00190	1.03000	-2.26410	-1.88990
2.010	16.980	.62430	-.02800	.11590	.18630	-.01210	-.00150	-.00190	1.03000	-2.31120	-1.91260
2.010	17.700	.65530	-.02930	.11460	.18520	-.01130	-.00170	-.00190	1.02000	-2.32690	-1.89750
2.010	18.380	.68160	-.03170	.11330	.18350	-.01050	-.00180	-.00180	1.02000	-2.34260	-1.93540
2.010	19.060	.70930	-.03320	.11230	.18230	-.00980	-.00210	-.00180	1.02000	-2.37400	-1.92780
2.010	19.750	.73910	-.03510	.11110	.18110	-.00940	-.00240	-.00170	1.02000	-2.35050	-1.89750
2.010	20.440	.76520	-.03680	.11000	.17970	-.00910	-.00260	-.00170	1.02000	-2.42110	-1.96570
2.010	21.150	.79870	-.03920	.10920	.17930	-.00920	-.00290	-.00150	1.02000	-2.39760	-1.94300
2.010	21.770	.82400	-.03970	.10800	.17790	-.00800	-.00320	-.00150	1.02000	-2.41330	-1.97330
2.010	22.300	.84410	-.04160	.10670	.17620	-.00810	-.00340	-.00150	1.02000	-2.35050	-1.99610
2.010	22.760	.86760	-.04280	.10590	.17580	-.00780	-.00370	-.00140	1.02000	-2.46830	-1.95060
2.010	23.110	.87970	-.04300	.10520	.17490	-.00720	-.00370	-.00140	1.01000	-2.40540	-1.95060

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD535)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1127/ 0 RN/L = 8.05

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	23.370	.89140	-.04430	.10450	.17470	-.00740	-.00400	-.00140	1.01000	-2.38190	-1.92780

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFO036)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 129/ 0 RN/L = 10.53

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-2.090	-.09770	-.00170	.11670	.21620	-.01960	.00130	-.00070	1.05000	.03670	.58230
2.990	-1.590	-.08510	-.00100	.11590	.21520	-.01930	.00120	-.00070	1.05000	.06030	.62030
2.990	-.840	-.06620	-.00010	.11460	.21340	-.01860	.00100	-.00050	1.04000	.06030	.61270
2.990	-.200	-.04950	-.00120	.11370	.21190	-.01870	.00080	-.00050	1.04000	.07600	.55200
2.990	.400	-.03460	-.00010	.11300	.21040	-.01840	.00080	-.00050	1.04000	-.00240	.53680
2.990	.960	-.02030	-.00150	.11250	.20900	-.01850	.00090	-.00060	1.04000	.02100	.46100
2.990	1.490	-.00770	-.00190	.11170	.20690	-.01830	.00090	-.00070	1.04000	.02100	.42310
2.990	2.050	.00630	-.00190	.11060	.20440	-.01810	.00090	-.00080	1.04000	.02100	.33970
2.990	2.580	.02160	-.00230	.10920	.20130	-.01790	.00070	-.00070	1.04000	-.03380	.25620
2.990	3.130	.03710	-.00290	.10800	.19840	-.01740	.00050	-.00070	1.04000	-.03380	.16520
2.990	3.700	.05230	-.00320	.10690	.19590	-.01700	.00040	-.00080	1.04000	-.11240	-.16840
2.990	4.250	.06760	-.00360	.10560	.19320	-.01600	.00030	-.00080	1.04000	-.24590	-.41100
2.990	4.820	.08330	-.00400	.10440	.19090	-.01540	.00010	-.00080	1.04000	-.37940	-.48690
2.990	5.370	.09880	-.00370	.10320	.18860	-.01570	.00000	-.00070	1.04000	-.49720	-.48690
2.990	5.950	.11650	-.00440	.10210	.18680	-.01490	.00000	-.00080	1.04000	-.53640	-.60820
2.990	6.510	.13290	-.00480	.10130	.18530	-.01480	.00000	-.00090	1.04000	-.59140	-.67650
2.990	7.050	.14880	-.00430	.10040	.18360	-.01510	.00000	-.00110	1.04000	-.55210	-.70680
2.990	7.620	.16700	-.00510	.09970	.18240	-.01510	.00010	-.00120	1.04000	-.63070	-.77510
2.990	8.190	.18390	-.00480	.09890	.18150	-.01540	.00000	-.00130	1.04000	-.61500	-.76750
2.990	8.740	.20130	-.00590	.09830	.18050	-.01550	.00010	-.00150	1.04000	-.74060	-.87370
2.990	9.310	.21920	-.00590	.09790	.18010	-.01560	.00010	-.00160	1.04000	-.72490	-.88120
2.990	9.860	.23660	-.00650	.09710	.17910	-.01570	.00000	-.00160	1.04000	-.71710	-.92670
2.990	10.430	.25500	-.00650	.09650	.17860	-.01560	.00000	-.00170	1.04000	-.78770	-.95710
2.990	10.990	.27350	-.00760	.09610	.17840	-.01540	.00010	-.00180	1.04000	-.79560	-1.02530
2.990	11.540	.29140	-.00750	.09530	.17790	-.01550	.00010	-.00180	1.04000	-.88200	-1.02530
2.990	12.110	.30950	-.00850	.09480	.17790	-.01510	.00000	-.00190	1.04000	-.91340	-1.10880
2.990	12.650	.32740	-.00900	.09410	.17760	-.01500	.00000	-.00200	1.03000	-.89770	-1.06320
2.990	13.220	.34690	-.01000	.09360	.17760	-.01460	.00000	-.00210	1.03000	-.94480	-1.11630
2.990	13.760	.36400	-.01110	.09280	.17720	-.01510	-.00010	-.00200	1.03000	-1.12540	-1.17700
2.990	14.310	.38200	-.01210	.09220	.17680	-.01480	-.00030	-.00210	1.03000	-1.13330	-1.19980
2.990	14.870	.40060	-.01210	.09160	.17690	-.01400	-.00050	-.00200	1.03000	-1.26680	-1.23010
2.990	15.420	.42050	-.01340	.09070	.17630	-.01370	-.00070	-.00200	1.03000	-1.29820	-1.23010
2.990	15.980	.44020	-.01360	.09010	.17610	-.01330	-.00090	-.00200	1.03000	-1.37670	-1.27560
2.990	16.520	.45870	-.01470	.08940	.17550	-.01310	-.00110	-.00190	1.03000	-1.47090	-1.26800
2.990	17.070	.47700	-.01550	.08880	.17510	-.01260	-.00130	-.00180	1.03000	-1.47090	-1.34360
2.990	17.620	.49580	-.01700	.08800	.17460	-.01250	-.00150	-.00180	1.03000	-1.54950	-1.35900
2.990	18.160	.51490	-.01780	.08710	.17380	-.01240	-.00160	-.00170	1.03000	-1.63590	-1.37420
2.990	18.710	.53430	-.01880	.08630	.17310	-.01210	-.00170	-.00170	1.02000	-1.74580	-1.41970
2.990	19.260	.55380	-.01900	.08540	.17240	-.01140	-.00180	-.00160	1.02000	-1.76940	-1.45000
2.990	19.820	.57470	-.02010	.08460	.17180	-.01130	-.00200	-.00160	1.02000	-1.79290	-1.44240
2.990	20.350	.59390	-.02180	.08380	.17070	-.01160	-.00210	-.00160	1.02000	-1.80860	-1.47280
2.990	20.890	.61370	-.02280	.08280	.16970	-.01140	-.00220	-.00160	1.02000	-1.87930	-1.53340

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD036)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOSRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 129/ 0 RN/L = 10.53

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	21.430	.63580	-.02410	.08190	.16870	-.01060	-.00230	-.00150	1.02000	-1.87930	-1.60930
2.990	21.940	.65580	-.02490	.08090	.16760	-.01080	-.00240	-.00140	1.02000	-1.98140	-1.58650
2.990	22.450	.67300	-.02580	.08020	.16680	-.01100	-.00250	-.00140	1.02000	-2.01280	-1.60930
2.990	22.870	.69180	-.02760	.07980	.16660	-.01050	-.00250	-.00140	1.02000	-2.07560	-1.70790
2.990	23.120	.69970	-.02800	.07950	.16640	-.01050	-.00260	-.00140	1.02000	-2.14630	-1.72300

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD536)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSHP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1129/ 0 RN/L = 10.56

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-2.150	-.10050	.00060	.11690	.20490	-.02020	.00140	-.00070	1.05000	-.40290	-.03190
2.990	-1.940	-.09440	.00010	.11630	.20410	-.02010	.00130	-.00060	1.05000	-.45790	-.19110
2.990	-1.710	-.08930	-.00010	.11590	.20360	-.02010	.00130	-.00070	1.05000	-.57570	-.35040
2.990	-1.370	-.07950	.00000	.11540	.20300	-.01910	.00130	-.00070	1.05000	-.59140	-.45650
2.990	-.920	-.06870	.00010	.11440	.20190	-.01950	.00120	-.00060	1.05000	-.66990	-.60820
2.990	-.380	-.05390	.00100	.11360	.20100	-.01870	.00100	-.00050	1.05000	-.80340	-.70680
2.990	.220	-.03980	.00070	.11290	.20030	-.01880	.00110	-.00060	1.05000	-.96830	-.94190
2.990	.840	-.02360	.00100	.11190	.19910	-.01850	.00100	-.00050	1.05000	-1.20390	-1.10880
2.990	1.450	-.00730	.00000	.11110	.19830	-.01800	.00100	-.00060	1.05000	-1.30600	-1.19980
2.990	2.070	.00910	-.00010	.10960	.19680	-.01780	.00090	-.00070	1.04000	-1.47090	-1.23010
2.990	2.710	.02490	-.00120	.10860	.19570	-.01760	.00080	-.00080	1.04000	-1.54950	-1.29830
2.990	3.340	.04170	-.00130	.10700	.19410	-.01750	.00060	-.00080	1.04000	-1.60440	-1.32110
2.990	3.990	.06100	-.00200	.10580	.19280	-.01640	.00050	-.00090	1.04000	-1.59660	-1.38180
2.990	4.630	.07890	-.00200	.10420	.19110	-.01610	.00030	-.00080	1.04000	-1.68300	-1.34380
2.990	5.270	.09840	-.00270	.10310	.19010	-.01530	.00020	-.00090	1.04000	-1.67510	-1.40450
2.990	5.920	.11720	-.00310	.10180	.18870	-.01550	.00010	-.00080	1.04000	-1.71440	-1.40450
2.990	6.560	.13490	-.00330	.10080	.18780	-.01510	.00010	-.00100	1.04000	-1.78510	-1.45000
2.990	7.240	.15670	-.00360	.10000	.18690	-.01560	.00010	-.00110	1.04000	-1.80860	-1.44240
2.990	7.890	.17570	-.00440	.09920	.18620	-.01600	.00020	-.00130	1.04000	-1.81650	-1.47280
2.990	8.530	.19760	-.00450	.09830	.18520	-.01540	.00020	-.00140	1.04000	-1.85570	-1.50310
2.990	9.180	.21650	-.00510	.09760	.18440	-.01610	.00020	-.00160	1.04000	-1.89500	-1.54860
2.990	9.850	.23840	-.00560	.09700	.18380	-.01540	.00020	-.00170	1.03000	-1.87150	-1.53340
2.990	10.520	.25830	-.00590	.09650	.18320	-.01570	.00020	-.00180	1.04000	-1.89500	-1.56380
2.990	11.190	.28090	-.00720	.09580	.18240	-.01600	.00020	-.00190	1.04000	-1.90290	-1.51070
2.990	11.860	.30150	-.00790	.09500	.18160	-.01570	.00020	-.00200	1.03000	-1.94210	-1.55620
2.990	12.510	.32390	-.00840	.09400	.18060	-.01490	.00010	-.00210	1.03000	-1.98920	-1.61690
2.990	13.190	.34670	-.00950	.09330	.17990	-.01460	.00000	-.00210	1.03000	-2.00500	-1.63960
2.990	13.880	.37080	-.01080	.09260	.17910	-.01490	-.00010	-.00220	1.03000	-2.01280	-1.58550
2.990	14.580	.39220	-.01150	.09160	.17790	-.01460	-.00030	-.00210	1.03000	-1.99710	-1.57140
2.990	15.240	.41640	-.01290	.09050	.17680	-.01350	-.00050	-.00200	1.03000	-1.98920	-1.63960
2.990	15.930	.43930	-.01410	.08980	.17610	-.01350	-.00080	-.00200	1.03000	-2.04420	-1.66240
2.990	16.610	.46430	-.01520	.08880	.17510	-.01250	-.00100	-.00190	1.03000	-2.04420	-1.68510
2.990	17.310	.48790	-.01580	.08800	.17430	-.01210	-.00130	-.00180	1.02000	-2.08350	-1.70030
2.990	18.020	.51260	-.01710	.08690	.17320	-.01160	-.00150	-.00170	1.02000	-2.01280	-1.70030
2.990	18.690	.53660	-.01910	.08610	.17250	-.01210	-.00170	-.00170	1.02000	-1.98140	-1.69270
2.990	19.380	.56110	-.02000	.08500	.17140	-.01160	-.00180	-.00160	1.02000	-2.05990	-1.64720
2.990	20.080	.58720	-.02160	.08390	.17040	-.01160	-.00200	-.00160	1.02000	-2.09130	-1.63950
2.990	20.780	.61430	-.02300	.08300	.16950	-.01130	-.00210	-.00150	1.02000	-2.12270	-1.66240
2.990	21.440	.63970	-.02460	.08190	.16840	-.01040	-.00220	-.00150	1.02000	-2.06780	-1.69270
2.990	22.020	.65910	-.02580	.08120	.16780	-.01110	-.00240	-.00140	1.02000	-2.10700	-1.70030
2.990	22.510	.67920	-.02620	.08040	.16720	-.01000	-.00240	-.00140	1.02000	-2.09130	-1.68510
2.990	22.900	.69590	-.02720	.08020	.16690	-.01030	-.00250	-.00130	1.02000	-2.06780	-1.70790

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD5351)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 11297/0 RN/L = 10.56

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	PETA	ELVN-L	ELVN-R
2.990	23.130	.70130	-.02810	.09010	.16700	-.01100	-.00260	-.00130	1.32000	-2.12270	-1.73060

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD037)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 131/ 0 RN/L = 14.53

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-2.120	-.10050	-.01430	.10020	.22110	-.01910	.00100	-.00050	1.04000	-.08100	1.02220
4.591	-1.580	-.08790	-.01410	.09910	.22010	-.01920	.00070	-.00060	1.04000	-.05740	.95390
4.591	-.830	-.07370	-.01350	.09700	.21760	-.01790	.00060	-.00050	1.04000	-.06530	1.01460
4.591	-.200	-.05820	-.01270	.09590	.21350	-.01780	.00050	-.00060	1.04000	-.09670	.94640
4.591	.400	-.04690	-.01250	.09440	.21480	-.01720	.00040	-.00050	1.04000	-.03380	.93880
4.591	.940	-.03460	-.01180	.09310	.21330	-.01730	.00050	-.00060	1.04000	-.04960	.92360
4.591	1.470	-.02330	-.01180	.09170	.21170	-.01740	.00060	-.00070	1.04000	-.07310	.94640
4.591	2.030	-.01220	-.01170	.09000	.20970	-.01710	.00070	-.00090	1.03000	-.04960	.92350
4.591	2.550	-.00030	-.01170	.08860	.20810	-.01680	.00080	-.00100	1.03000	-.07310	.86290
4.591	3.100	.01150	-.01220	.08700	.20640	-.01660	.00070	-.00110	1.03000	-.07310	.80990
4.591	3.650	.02280	-.01210	.08640	.20600	-.01710	.00060	-.00110	1.03000	-.05740	.74920
4.591	4.210	.03510	-.01150	.08520	.20460	-.01670	.00050	-.00110	1.03000	-.01810	.69610
4.591	4.750	.05100	-.01100	.08390	.20350	-.01580	.00040	-.00110	1.03000	-.10450	.62030
4.591	5.310	.06340	-.01100	.08310	.20250	-.01590	.00040	-.00130	1.03000	-.09670	.52170
4.591	5.850	.07730	-.00980	.08210	.20170	-.01510	.00050	-.00110	1.03000	-.13590	.40030
4.591	6.410	.08990	-.00970	.08120	.20070	-.01590	.00050	-.00140	1.03000	-.20660	.36240
4.591	6.960	.10520	-.00980	.08100	.20040	-.01510	.00050	-.00150	1.03000	-.23020	.32450
4.591	7.500	.11800	-.01040	.08040	.19980	-.01590	.00040	-.00150	1.03000	-.33230	.27900
4.591	8.050	.13110	-.00930	.08010	.19980	-.01520	.00030	-.00170	1.03000	-.48150	.28650
4.591	8.610	.14620	-.00930	.07950	.19930	-.01520	.00020	-.00170	1.03000	-.41860	.24860
4.591	9.160	.16100	-.00950	.07900	.19860	-.01530	.00020	-.00190	1.03000	-.48930	.23350
4.591	9.690	.17520	-.01050	.07850	.19820	-.01500	.00010	-.00190	1.02000	-.48150	.19560
4.591	10.250	.19060	-.01040	.07800	.19760	-.01460	.00000	-.00190	1.02000	-.48150	.15010
4.591	10.790	.20730	-.01020	.07760	.19730	-.01430	.00000	-.00190	1.02000	-.52860	.08940
4.591	11.340	.22060	-.01000	.07720	.19660	-.01390	-.00010	-.00200	1.02000	-.57570	.09700
4.591	11.890	.23790	-.00950	.07690	.19650	-.01390	-.00020	-.00200	1.02000	-.60710	.05910
4.591	12.440	.25500	-.01040	.07620	.19590	-.01340	-.00030	-.00200	1.02000	-.57570	.02110
4.591	13.020	.27390	-.01000	.07580	.19570	-.01390	-.00020	-.00220	1.02000	-.66990	-.03940
4.591	13.540	.28820	-.01060	.07510	.19490	-.01340	-.00020	-.00220	1.02000	-.68560	-.01670
4.591	14.100	.30580	-.01080	.07460	.19410	-.01350	-.00030	-.00230	1.02000	-.67780	-.06980
4.591	14.670	.32550	-.01010	.07450	.19400	-.01360	-.00050	-.00240	1.02000	-.74850	-.13900
4.591	15.190	.34030	-.01000	.07390	.19350	-.01360	-.00050	-.00240	1.02000	-.78770	-.14560
4.591	15.760	.35770	-.01020	.07350	.19330	-.01310	-.00070	-.00230	1.02000	-.72490	-.16840
4.591	16.290	.37720	-.01070	.07300	.19270	-.01330	-.00060	-.00250	1.02000	-.83490	-.21390
4.591	16.850	.39640	-.01030	.07290	.19280	-.01320	-.00080	-.00250	1.02000	-.79560	-.25940
4.591	17.410	.41250	-.01110	.07240	.19230	-.01260	-.00080	-.00240	1.01000	-.83490	-.25180
4.591	17.920	.43280	-.01210	.07210	.19200	-.01300	-.00080	-.00260	1.02000	-.92120	-.31250
4.591	18.500	.45140	-.01270	.07160	.19130	-.01210	-.00100	-.00240	1.01000	-.87410	-.34280
4.591	19.030	.47040	-.01290	.07130	.19110	-.01240	-.00120	-.00250	1.01000	-.93690	-.35040
4.591	19.550	.48750	-.01360	.07080	.19060	-.01220	-.00110	-.00250	1.01000	-.93690	-.35800
4.591	20.100	.50780	-.01460	.07040	.19020	-.01160	-.00120	-.00240	1.01000	-.97620	-.40350
4.591	20.620	.52690	-.01500	.07000	.18960	-.01130	-.00130	-.00250	1.01000	-1.02330	-.41860

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD037)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 131/ 0 RN/L = 14.53

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	21.160	.54730	-.01610	.06960	.18910	-.01120	-.00130	-.00250	1.01000	-1.05470	-.48690
4.591	21.670	.56870	-.01600	.06960	.18940	-.01110	-.00160	-.00250	1.01000	-1.14900	-.54750
4.591	22.160	.58640	-.01670	.06920	.18910	-.01070	-.00170	-.00240	1.01000	-1.23530	-.56270
4.591	22.560	.60000	-.01750	.06880	.18840	-.01040	-.00170	-.00240	1.01000	-1.24320	-.57030
4.591	22.790	.61020	-.01780	.06890	.18850	-.01000	-.00190	-.00230	1.01000	-1.28250	-.62340

LA67 (LTV 552) ORBITER 49-0

(RFD537)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1131/ 0 RN/L = 15.51

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-2.000	-.09470	-.01370	.10010	.21940	-.01880	.00080	-.00050	1.04000	-.83490	.00600
4.591	-1.800	-.09220	-.01330	.09930	.21860	-.01860	.00070	-.00060	1.04000	-.85060	-.03190
4.591	-1.480	-.08600	-.01350	.09890	.21820	-.01910	.00070	-.00060	1.04000	-.83490	-.01670
4.591	-1.060	-.07680	-.01320	.09770	.21700	-.01870	.00060	-.00060	1.04000	-.85840	-.03940
4.591	-.550	-.06580	-.01350	.09650	.21590	-.01810	.00050	-.00060	1.04000	-.89770	-.10770
4.591	.020	-.05390	-.01280	.09500	.21430	-.01800	.00060	-.00060	1.04000	-.92120	-.12290
4.591	.630	-.03870	-.01240	.09330	.21250	-.01740	.00050	-.00050	1.04000	-.99190	-.22900

LA67 (LTV 552) ORBITER 49-0

(RFD038)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 130/ 0 RN/L = 14.54

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-2.100	-.09950	-.01230	.09990	.22170	-.01990	.00100	-.00020	1.04000	.01320	-.23660
4.591	-1.570	-.09000	-.01170	.09780	.21920	-.01890	.00090	-.00030	1.04000	.06810	-.25180
4.591	-.810	-.07350	-.01130	.09610	.21710	-.01900	.00060	-.00040	1.04000	.04460	-.25940
4.591	-.180	-.06140	-.01160	.09480	.21570	-.01850	.00050	-.00040	1.04000	-.01030	-.26690
4.591	.400	-.05050	-.01070	.09330	.21390	-.01810	.00060	-.00040	1.04000	.07600	-.31250
4.591	.950	-.03780	-.01060	.09220	.21280	-.01800	.00070	-.00050	1.04000	-.00240	-.34280
4.591	1.470	-.02670	-.01000	.09110	.21150	-.01760	.00080	-.00050	1.04000	.02890	-.37310
4.591	2.040	-.01440	-.01070	.08970	.20940	-.01760	.00070	-.00070	1.04000	-.01030	-.33520
4.591	2.570	-.00310	-.01000	.08820	.20760	-.01720	.00100	-.00070	1.03000	-.00240	-.40350
4.591	3.130	.01130	-.01020	.08640	.20610	-.01690	.00090	-.00090	1.03000	-.03380	-.38070
4.591	3.680	.02360	-.00990	.08510	.20450	-.01640	.00080	-.00080	1.03000	.01320	-.47930
4.591	4.220	.03490	-.01070	.08380	.20280	-.01600	.00050	-.00080	1.03000	.02890	-.51720
4.591	4.770	.04750	-.01020	.08290	.20200	-.01560	.00050	-.00090	1.03000	.04460	-.59310
4.591	5.330	.06070	-.01020	.08180	.20060	-.01550	.00050	-.00110	1.03000	-.03380	-.65370
4.591	5.880	.07670	-.01040	.08070	.19960	-.01600	.00050	-.00120	1.03000	-.03380	-.65370
4.591	6.420	.08930	-.01060	.08010	.19880	-.01590	.00040	-.00120	1.03000	-.07310	-.80540
4.591	6.960	.10240	-.00970	.07970	.19840	-.01560	.00040	-.00120	1.03000	-.15160	-1.01020
4.591	7.520	.11640	-.00900	.07930	.19820	-.01530	.00040	-.00120	1.03000	-.23020	-1.06320
4.591	8.060	.12960	-.00970	.07870	.19770	-.01520	.00030	-.00140	1.03000	-.34010	-1.05570
4.591	8.620	.14310	-.00960	.07830	.19700	-.01490	.00020	-.00140	1.03000	-.35590	-1.10120
4.591	9.160	.15720	-.00880	.07790	.19710	-.01470	.00030	-.00140	1.02000	-.41860	-1.13910
4.591	9.700	.17070	-.00930	.07760	.19640	-.01440	.00010	-.00150	1.02000	-.44220	-1.16180
4.591	10.260	.18650	-.00880	.07720	.19660	-.01420	.00020	-.00150	1.02000	-.45790	-1.18460
4.591	10.800	.20200	-.00910	.07670	.19670	-.01410	.00000	-.00160	1.02000	-.45790	-1.21490
4.591	11.370	.21900	-.00650	.07620	.19550	-.01390	.00000	-.00170	1.02000	-.52860	-1.18460
4.591	11.920	.23320	-.00810	.07580	.19500	-.01380	-.00010	-.00170	1.02000	-.52860	-1.23770
4.591	12.460	.25120	-.00870	.07540	.19490	-.01370	-.00010	-.00170	1.02000	-.49720	-1.21490
4.591	13.010	.26650	-.00880	.07500	.19420	-.01370	-.00020	-.00180	1.02000	-.51290	-1.27560
4.591	13.560	.28350	-.00900	.07450	.19360	-.01390	-.00020	-.00190	1.02000	-.59140	-1.25280
4.591	14.120	.30010	-.01000	.07380	.19320	-.01380	-.00050	-.00200	1.02000	-.59140	-1.29830
4.591	14.660	.31820	-.00980	.07350	.19290	-.01380	-.00040	-.00200	1.02000	-.59140	-1.29930
4.591	15.210	.33340	-.01050	.07300	.19220	-.01350	-.00060	-.00210	1.02000	-.57570	-1.36660
4.591	15.750	.35260	-.01030	.07270	.19210	-.01350	-.00060	-.00210	1.02000	-.59140	-1.34380
4.591	16.310	.37040	-.01070	.07230	.19130	-.01330	-.00060	-.00210	1.02000	-.70140	-1.36660
4.591	16.860	.38670	-.01080	.07190	.19080	-.01310	-.00070	-.00210	1.02000	-.70140	-1.45000
4.591	17.390	.40750	-.01080	.07170	.19100	-.01290	-.00070	-.00210	1.02000	-.73280	-1.39690
4.591	17.930	.42190	-.01090	.07110	.19050	-.01260	-.00100	-.00220	1.01000	-.70920	-1.47280
4.591	18.480	.44210	-.01150	.07080	.19010	-.01220	-.00100	-.00210	1.01000	-.72490	-1.49550
4.591	19.030	.45950	-.01050	.07050	.18970	-.01190	-.00090	-.00200	1.01000	-.76420	-1.46520
4.591	19.570	.47800	-.01020	.07010	.18920	-.01160	-.00100	-.00200	1.01000	-.89770	-1.51070
4.591	20.090	.49650	-.01150	.06960	.18860	-.01140	-.00120	-.00210	1.01000	-.97620	-1.51070
4.591	20.620	.51600	-.01110	.06910	.18850	-.01130	-.00130	-.00210	1.01000	-1.09400	-1.51070

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD038)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 130/ 0 RN/L = 14.54

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	21.150	.53590	-.01090	.06880	.18830	-.01090	-.00130	-.00200	1.01000	-1.15680	-1.53340
4.591	21.650	.55370	-.01090	.06850	.18760	-.01030	-.00130	-.00190	1.01000	-1.18040	-1.55620
4.591	22.160	.57220	-.01160	.06840	.18750	-.01000	-.00150	-.00180	1.01000	-1.24320	-1.63200
4.591	22.570	.58770	-.01200	.06800	.18750	-.00970	-.00170	-.00180	1.01000	-1.35310	-1.60170
4.591	22.800	.59580	-.01220	.06800	.18710	-.00930	-.00170	-.00180	1.01000	-1.40030	-1.67000

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD538)

PARAMETRIC DATA

ELEVON *	.000	AILRON *	.000
SPOBRK *	55.000	RN/L *	15.600
GRITNO *	.000	RCSPDS *	1.000
BETA *	1.000	ALFSWP *	2.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 1130/ 0 RN/L = 15.60

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-1.930	-.09520	-.01160	.09860	.21720	-.01850	.00100	-.00030	1.04000	-.74850	-.91920
4.591	-1.700	-.09190	-.01150	.09790	.21660	-.01830	.00080	-.00030	1.04000	-.81910	-.98740
4.591	-1.330	-.08350	-.01100	.09690	.21550	-.01810	.00080	-.00030	1.04000	-.89770	-1.09360
4.591	-.890	-.07430	-.01140	.09590	.21450	-.01770	.00070	-.00020	1.04000	-.94480	-1.17700
4.591	-.350	-.06270	-.01100	.09470	.21320	-.01770	.00070	-.00030	1.04000	-1.00760	-1.20730
4.591	.220	-.05210	-.01150	.09340	.21210	-.01770	.00050	-.00040	1.04000	-.98410	-1.31350
4.591	.820	-.03810	-.01050	.09210	.21070	-.01750	.00080	-.00040	1.04000	-1.04690	-1.29830
4.591	1.430	-.02590	-.01090	.09050	.20930	-.01730	.00060	-.00060	1.04000	-1.05470	-1.34380
4.591	2.050	-.01100	-.00990	.08920	.20770	-.01720	.00090	-.00060	1.03000	-1.10970	-1.35900
4.591	2.680	.00160	-.01030	.08750	.20610	-.01680	.00090	-.00070	1.03000	-1.16470	-1.40450
4.591	3.320	.01800	-.00970	.08600	.20440	-.01650	.00100	-.00070	1.03000	-1.20390	-1.38180
4.591	3.930	.03090	-.01040	.08430	.20300	-.01630	.00070	-.00090	1.03000	-1.15680	-1.40450
4.591	4.570	.04670	-.00980	.08310	.20160	-.01600	.00060	-.00090	1.03000	-1.16470	-1.42730
4.591	5.200	.05960	-.01000	.08170	.20060	-.01590	.00040	-.00110	1.03000	-1.17250	-1.48790
4.591	5.840	.07560	-.01000	.08080	.19960	-.01610	.00040	-.00120	1.03000	-1.22750	-1.48790
4.591	6.490	.09130	-.00980	.07990	.19860	-.01610	.00040	-.00130	1.03000	-1.28250	-1.50310
4.591	7.110	.10940	-.00930	.07940	.19820	-.01570	.00050	-.00120	1.03000	-1.21960	-1.49550
4.591	7.760	.12390	-.00980	.07870	.19750	-.01540	.00020	-.00140	1.03000	-1.27460	-1.48040
4.591	8.400	.13930	-.00970	.07820	.19710	-.01500	.00020	-.00140	1.03000	-1.29030	-1.52590
4.591	9.050	.15730	-.00940	.07790	.19650	-.01470	.00040	-.00140	1.02000	-1.26680	-1.52590
4.591	9.710	.17340	-.00900	.07720	.19580	-.01450	.00030	-.00150	1.02000	-1.32960	-1.52590
4.591	10.340	.19200	-.00970	.07680	.19570	-.01440	.00010	-.00160	1.02000	-1.29820	-1.54860
4.591	11.000	.21180	-.00920	.07640	.19530	-.01410	.00010	-.00160	1.02000	-1.32960	-1.51830
4.591	11.660	.22930	-.00970	.07580	.19480	-.01400	-.00010	-.00180	1.02000	-1.30600	-1.54860
4.591	12.330	.24860	-.00890	.07530	.19440	-.01380	-.00010	-.00180	1.02000	-1.37670	-1.52590
4.591	13.010	.26710	-.00920	.07470	.19330	-.01370	-.00030	-.00190	1.02000	-1.36100	-1.60170
4.591	13.690	.28810	-.00980	.07430	.19320	-.01370	-.00030	-.00190	1.02000	-1.30600	-1.60930
4.591	14.370	.31070	-.01000	.07370	.19250	-.01360	-.00030	-.00200	1.02000	-1.36100	-1.57140
4.591	15.050	.33120	-.01090	.07290	.19180	-.01350	-.00060	-.00210	1.02000	-1.36880	-1.55620
4.591	15.720	.35390	-.01090	.07260	.19150	-.01340	-.00050	-.00210	1.02000	-1.37670	-1.58650
4.591	16.410	.37410	-.01140	.07200	.19080	-.01300	-.00070	-.00210	1.02000	-1.40810	-1.63960
4.591	17.090	.39860	-.01090	.07170	.19090	-.01270	-.00060	-.00210	1.02000	-1.35310	-1.59410
4.591	17.770	.42110	-.01180	.07140	.19050	-.01230	-.00070	-.00210	1.01000	-1.32170	-1.65480
4.591	18.440	.44340	-.01210	.07060	.18990	-.01200	-.00100	-.00220	1.01000	-1.41600	-1.63200
4.591	19.120	.46560	-.01160	.07000	.18920	-.01160	-.00100	-.00210	1.01000	-1.37670	-1.59410
4.591	19.800	.49070	-.01140	.06980	.18910	-.01120	-.00100	-.00200	1.01000	-1.35310	-1.68510
4.591	20.480	.51400	-.01210	.06950	.18860	-.01090	-.00130	-.00200	1.01000	-1.42380	-1.63960
4.591	21.120	.53880	-.01220	.06910	.18860	-.01030	-.00140	-.00200	1.01000	-1.37670	-1.63960
4.591	21.690	.56060	-.01200	.06890	.18830	-.01030	-.00140	-.00190	1.01000	-1.37670	-1.61690
4.591	22.190	.57620	-.01200	.06850	.18780	-.00930	-.00150	-.00180	1.01000	-1.43950	-1.61690
4.591	22.570	.59040	-.01250	.06860	.18800	-.00920	-.00170	-.00180	1.01000	-1.42380	-1.69270
4.591	22.790	.59770	-.01130	.06880	.18780	-.00940	-.00160	-.00170	1.01000	-1.43950	-1.63200

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD039)

PARAMETRIC DATA

ELEVON =	-10.000	AILERON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 112/ 0 RN/L = 8.05

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-.280	-.07560	.07960	.17550	.12730	.00230	.00060	.00110	.00000	-7.18010	-7.40330
1.510	.210	-.05260	.07550	.17490	.12700	.00180	.00050	.00100	.00000	-7.20360	-7.42610
1.510	.870	-.01980	.06860	.17300	.12470	.00260	.00060	.00090	.00000	-7.18790	-7.43360
1.510	1.470	.00920	.06400	.17230	.12380	.00210	.00060	.00080	.00000	-7.27430	-7.38810
1.510	2.020	.03670	.05820	.17010	.12140	.00200	.00050	.00080	.00000	-7.21930	-7.43360
1.510	2.550	.06260	.05380	.16820	.12070	.00210	.00050	.00070	.00000	-7.26650	-7.47160
1.510	3.050	.08560	.04930	.16860	.12000	.00190	.00030	.00060	.00000	-7.25860	-7.47160
1.510	3.570	.11180	.04450	.16730	.11870	.00190	.00030	.00060	.00000	-7.32930	-7.51710
1.510	4.090	.13650	.04060	.16610	.11760	.00220	.00020	.00050	.00000	-7.34500	-7.50950
1.510	4.640	.16220	.03700	.16410	.11540	.00180	.00010	.00030	.00000	-7.34500	-7.55500
1.510	5.140	.18690	.03240	.16360	.11530	.00210	.00020	.00030	.00000	-7.28220	-7.64600
1.510	5.660	.21310	.02810	.16210	.11370	.00190	.00010	.00020	.00000	-7.34500	-7.69150
1.510	6.220	.23920	.02390	.16010	.11130	.00170	.00000	.00010	.00000	-7.35280	-7.72940
1.510	6.720	.26430	.01910	.15960	.11110	.00210	.00000	.00010	.00000	-7.34500	-7.72940
1.510	7.250	.29130	.01510	.15770	.10900	.00160	.00000	.00000	.00000	-7.33710	-7.82800
1.510	7.770	.31530	.01090	.15670	.10860	.00190	.00000	.00000	.00000	-7.35280	-7.79010
1.510	8.300	.34180	.00770	.15530	.10730	.00120	.00010	.00020	.00000	-7.35280	-7.87350
1.510	8.830	.36550	.00400	.15380	.10560	.00140	.00000	.00010	.00000	-7.41570	-7.86590
1.510	9.360	.38980	-.00010	.15190	.10370	.00170	.00000	.00030	.00000	-7.36850	-7.94180
1.510	9.890	.41440	-.00320	.15080	.10270	.00160	.00000	.00060	.00000	-7.51770	-7.97210
1.510	10.410	.43990	-.00650	.14980	.10170	.00140	.00000	.00060	-.01000	-7.53350	-8.05550
1.510	10.940	.46540	-.00900	.14860	.10020	.00160	.00000	.00040	-.01000	-7.61200	-8.18440
1.510	11.450	.48760	-.01120	.14740	.09830	.00160	.00000	.00060	-.01000	-7.74550	-8.22990
1.510	11.990	.51520	-.01300	.14730	.09840	.00130	.00000	.00050	-.01000	-7.83970	-8.34370
1.510	12.500	.53720	-.01520	.14610	.09700	.00120	.00000	.00050	-.01000	-8.02820	-8.44230
1.510	13.030	.56230	-.01630	.14510	.09590	.00100	.00000	.00040	-.01000	-8.20100	-8.63190
1.510	13.550	.58600	-.01850	.14350	.09400	.00160	.00010	.00020	-.01000	-8.42870	-8.92010
1.510	14.080	.60700	-.01920	.14190	.09220	.00130	.00000	.00010	-.01000	-8.78210	-8.96830
1.510	14.600	.63030	-.02040	.14110	.09090	.00140	.00000	.00010	-.01000	-9.15120	-9.10210
1.510	15.120	.65290	-.02190	.14060	.09000	.00140	.00000	.00010	-.01000	-9.41030	-9.29930
1.510	15.640	.67810	-.02360	.14030	.08910	.00150	.00000	.00020	-.01000	-9.50460	-9.51160
1.510	16.170	.70040	-.02400	.13990	.08780	.00130	.00000	.00020	-.01000	-9.58310	-9.63290
1.510	16.670	.72250	-.02570	.13880	.08580	.00120	.00000	.00020	-.01000	-9.70090	-9.74670
1.510	17.220	.74980	-.02610	.13890	.08550	.00130	.00000	.00010	-.01000	-9.85120	-9.84530
1.510	17.700	.77000	-.02760	.13800	.08410	.00100	.00000	.00010	-.01000	-9.98360	-10.01210
1.510	18.240	.79840	-.02750	.13800	.08370	.00100	.00000	.00010	-.01000	-10.09350	-10.16380
1.510	18.740	.81870	-.02800	.13700	.08180	.00170	.00000	.00020	-.01000	-10.10140	-10.22450
1.510	19.250	.84380	-.02870	.13630	.08090	.00130	.00000	.00020	-.01000	-10.19560	-10.30790
1.510	19.750	.86390	-.03010	.13510	.07930	.00050	.00000	.00020	-.01000	-10.21920	-10.45200
1.510	20.260	.89010	-.03100	.13410	.07810	.00070	.00000	.00010	-.01000	-10.26630	-10.51270
1.510	20.740	.90980	-.03080	.13260	.07620	.00100	.00010	.00010	-.01000	-10.33700	-10.59610
1.510	21.210	.93390	-.03200	.13170	.07520	.00090	.00000	.00000	-.02000	-10.36840	-10.66430

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD039)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 112/ 0 RN/L = 8.05

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	21.550	.94490	-.03270	.13080	.07380	.00080	.00000	.00000	-.02000	-10.40770	-10.74780

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0039)

PARAMETRIC DATA

ELEVON = -10.000 AILRON = .000
 SPOBRK = 55.000 RN/L = 8.000
 GRITNO = .000 RCSPDS = 1.000
 BETA = .000 ALFSWP = 1.000
 BDFLAP = .000 RUDDER = .000

RUN NO. 99/ 0 RN/L = 8.32

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	.390	-.08060	.04550	.14850	.11780	.00380	-.00070	.00040	.00000	-8.50720	-7.68390
2.010	.200	-.05770	.04330	.14750	.11680	.00420	-.00060	.00030	.00000	-8.53080	-7.65360
2.010	.880	-.03270	.03970	.14590	.11490	.00330	-.00060	.00030	.00000	-8.47580	-7.74460
2.010	1.490	-.00850	.03660	.14540	.11440	.00370	-.00050	.00030	.00000	-6.54650	-7.79010
2.010	2.030	.01220	.03340	.14430	.11300	.00310	-.00070	.00030	.00000	-8.52290	-7.76730
2.010	2.560	.03320	.03140	.14370	.11230	.00350	-.00060	.00020	.00000	-8.53860	-7.77490
2.010	3.080	.05110	.02900	.14290	.11140	.00340	-.00060	.00020	.00000	-8.54650	-7.84320
2.010	3.600	.07090	.02630	.14170	.11010	.00340	-.00060	.00030	.00000	-8.57000	-7.82040
2.010	4.120	.09000	.02430	.14070	.10900	.00330	-.00070	.00020	.00000	-8.67210	-7.88870
2.010	4.640	.11010	.02170	.13930	.10770	.00300	-.00060	.00020	.00000	-8.71930	-7.88110
2.010	5.170	.12910	.01860	.13810	.10660	.00220	-.00070	.00010	.00000	-8.76640	-7.88110
2.010	5.680	.14750	.01640	.13690	.10530	.00250	-.00060	.00010	.00000	-8.83710	-7.95690
2.010	6.200	.16700	.01440	.13600	.10440	.00270	-.00060	.00000	.00000	-8.98630	-7.97210
2.010	6.720	.18480	.01180	.13500	.10310	.00180	-.00070	.00000	.00000	-9.08050	-7.98730
2.010	7.260	.20600	.01030	.13430	.10250	.00250	-.00070	.00000	.00000	-9.09620	-8.05550
2.010	7.780	.22490	.00890	.13320	.10140	.00240	-.00070	.00000	.00000	-9.09620	-8.12380
2.010	8.300	.24400	.00690	.13200	.10000	.00160	-.00070	.00000	.00000	-9.15900	-8.14650
2.010	8.850	.26530	.00600	.13130	.09940	.00210	-.00060	.00000	.00000	-9.17470	-8.25270
2.010	9.370	.28340	.00480	.13010	.09810	.00190	-.00060	.00000	.00000	-9.19830	-8.28300
2.010	9.890	.30350	.00390	.12890	.09670	.00130	-.00060	.00000	.00000	-9.19040	-8.35890
2.010	10.410	.32300	.00310	.12750	.09520	.00150	-.00060	.00000	.00000	-9.27680	-8.43470
2.010	10.940	.34230	.00300	.12640	.09400	.00130	-.00060	.00000	.00000	-9.23760	-8.52570
2.010	11.470	.36370	.00300	.12510	.09250	.00160	-.00070	.00020	.00000	-9.35530	-8.70770
2.010	12.000	.38240	.00280	.12430	.09140	.00090	-.00060	.00010	.00000	-9.36320	-8.85180
2.010	12.530	.40420	.00210	.12340	.09000	.00180	-.00060	.00020	-.01000	-9.44960	-8.95040
2.010	13.060	.42530	.00160	.12240	.08850	.00180	-.00070	.00020	-.01000	-9.48880	-8.99590
2.010	13.590	.44370	.00140	.12120	.08660	.00190	-.00060	.00020	-.01000	-9.48880	-9.07930
2.010	14.120	.46600	.00040	.12060	.08580	.00150	-.00060	.00030	-.01000	-9.64590	-9.21580
2.010	14.630	.48380	.00010	.11930	.08400	.00200	-.00060	.00040	-.01000	-9.68520	-9.35230
2.010	15.170	.50720	.00020	.11910	.08350	.00180	-.00060	.00040	-.01000	-9.86580	-9.48130
2.010	15.680	.52760	-.00120	.11820	.08220	.00130	-.00050	.00030	-.01000	-9.98360	-9.50400
2.010	16.200	.54860	-.00170	.11730	.08100	.00160	-.00050	.00020	-.01000	-10.10140	-9.58740
2.010	16.720	.56720	-.00260	.11580	.07940	.00220	-.00050	.00030	-.01000	-10.23490	-9.67090
2.010	17.240	.58820	-.00370	.11480	.07830	.00210	-.00040	.00020	-.01000	-10.36050	-9.86800
2.010	17.770	.61080	-.00500	.11390	.07720	.00210	-.00040	.00020	-.01000	-10.50190	-10.01970
2.010	19.280	.63320	-.00500	.11340	.07550	.00170	-.00040	.00010	-.01000	-10.50970	-10.08040
2.010	18.810	.65340	-.00700	.11220	.07520	.00200	-.00040	.00020	-.01000	-10.58830	-10.18660
2.010	19.310	.67480	-.00730	.11110	.07410	.00160	-.00040	.00000	-.01000	-10.78460	-10.36860
2.010	19.810	.69690	-.00820	.11060	.07340	.00180	-.00050	.00010	-.01000	-10.87680	-10.55510
2.010	20.320	.71630	-.00860	.10950	.07230	.00150	-.00050	.00000	-.01000	-10.97310	-10.62640
2.010	20.810	.73520	-.00900	.10870	.07130	.00140	-.00060	.00000	-.01000	-10.99660	-10.65680
2.010	21.320	.75490	-.01040	.10730	.06980	.00150	-.00050	.00010	-.01000	-11.13010	-10.80080

ORIGINAL PAGE IS
 OF POOR QUALITY

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0039)

PARAMETRIC DATA

ELEVON	=	-10.000	A1LRON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 99/ 0 RN/L = 8.32

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	21.790	.77590	-.01130	.10690	.06900	.00120	-.00060	.00000	-.01000	-11.12230	-10.80080
2.010	22.220	.79530	-.01180	.10610	.06800	.00070	-.00070	.00010	-.01000	-11.23220	-10.92980
2.010	22.510	.80670	-.01260	.10520	.06680	.00060	-.00070	.00010	-.01000	-11.35000	-10.96010

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD539)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.800
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1112/ 0 RN/L = 8.01

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CSL	BETA	ELVN-L	ELVN-R
1.510	-.360	-.08110	.08180	.17570	.12780	.00220	.00080	.00120	.00000	-7.30570	-7.50950
1.510	-.130	-.06840	.07870	.17530	.12710	.00200	.00080	.00120	.00000	-7.21930	-7.60810
1.510	.130	-.05610	.07600	.17450	.12600	.00220	.00080	.00120	.00000	-7.32930	-7.64600
1.510	.520	-.03620	.07200	.17350	.12490	.00220	.00060	.00100	.00000	-7.40780	-7.69150
1.510	1.010	-.01260	.06820	.17300	.12420	.00200	.00070	.00090	.00000	-7.41570	-7.70570
1.510	1.550	.01330	.06290	.17150	.12250	.00220	.00080	.00080	.00000	-7.49420	-7.82040
1.510	2.100	.04260	.05760	.17070	.12200	.00230	.00060	.00070	.00000	-7.54920	-7.88110
1.510	2.700	.07010	.05290	.16870	.11970	.00230	.00070	.00060	.00000	-7.61980	-7.94930
1.510	3.280	.09970	.04810	.16790	.11910	.00190	.00060	.00050	.00000	-7.66700	-8.01760
1.510	3.860	.12680	.04300	.16710	.11840	.00190	.00030	.00040	.00000	-7.80830	-8.07830
1.510	4.460	.15530	.03890	.16470	.11590	.00150	.00020	.00020	.00000	-7.87900	-8.10100
1.510	5.050	.18150	.03400	.16330	.11440	.00170	.00030	.00020	.00000	-7.95750	-8.15410
1.510	5.630	.21220	.02930	.16190	.11280	.00120	.00020	.00000	.00000	-7.97320	-8.24510
1.510	6.230	.23980	.02460	.16080	.11180	.00160	.00020	.00000	.00000	-8.10670	-8.26030
1.510	6.850	.27130	.02060	.15990	.11100	.00100	.00000	-.00020	.00000	-8.19310	-8.36640
1.510	7.450	.30150	.01540	.15840	.10990	.00100	.00000	-.00030	.00000	-8.31090	-8.35130
1.510	8.070	.33010	.01070	.15660	.10800	.00160	.00000	-.00030	.00000	-8.46010	-8.47260
1.510	8.700	.35860	.00700	.15490	.10640	.00150	.00000	-.00050	.00000	-8.58580	-8.51050
1.510	9.320	.38980	.00340	.15370	.10510	.00090	.00000	-.00050	.00000	-8.75850	-8.66220
1.510	9.960	.41730	-.00040	.15240	.10340	.00150	.00000	-.00060	.00000	-8.86850	-8.79110
1.510	10.600	.44680	-.00420	.15060	.10140	.00110	.00000	-.00070	-.01000	-9.19830	-9.02620
1.510	11.220	.47530	-.00580	.14950	.10000	.00130	.00000	-.00080	-.01000	-9.52810	-9.42060
1.510	11.860	.50600	-.00810	.14870	.09820	.00090	.00000	-.00080	-.01000	-9.81870	-9.70120
1.510	12.490	.53460	-.01060	.14690	.09570	.00080	.00000	-.00080	-.01000	-9.97570	-9.93630
1.510	13.140	.56280	-.01300	.14530	.09460	.00100	.00010	-.00060	-.01000	-10.23490	-10.17900
1.510	13.800	.59270	-.01460	.14450	.09350	.00080	.00010	-.00050	-.01000	-10.32910	-10.40650
1.510	14.430	.62000	-.01640	.14250	.09100	.00100	.00000	-.00030	-.01000	-10.31340	-10.55060
1.510	15.070	.64750	-.01970	.14100	.08880	.00130	.00000	-.00030	-.01000	-10.37620	-10.55820
1.510	15.740	.68950	-.02140	.14080	.08810	.00080	.00000	-.00030	-.01000	-10.47830	-10.64160
1.510	16.390	.71050	-.02270	.13980	.08640	.00070	.00000	-.00030	-.01000	-10.48620	-10.67950
1.510	17.020	.73980	-.02410	.13850	.08440	.00090	.00000	-.00020	-.01000	-10.48620	-10.68710
1.510	17.640	.76940	-.02650	.13820	.08370	.00100	.00000	-.00030	-.01000	-10.44690	-10.70230
1.510	18.270	.79820	-.02730	.13740	.08250	.00110	.00000	-.00030	-.01000	-10.49400	-10.70230
1.510	18.910	.82510	-.02820	.13600	.08050	.00120	.00000	-.00020	-.01000	-10.47830	-10.73260
1.510	19.530	.85700	-.02960	.13540	.07950	.00100	.00010	-.00030	-.01000	-10.48620	-10.76290
1.510	20.100	.88290	-.02940	.13430	.07920	.00050	.00010	-.00020	-.01000	-10.50190	-10.80840
1.510	20.580	.90400	-.03020	.13270	.07620	.00060	.00000	-.00010	-.01000	-10.47830	-10.81600
1.510	21.000	.92220	-.03120	.13150	.07490	.00090	.00000	.00000	-.02000	-10.43910	-10.82360
1.510	21.350	.94070	-.03210	.13140	.07480	.00120	.00010	.00000	-.02000	-10.49400	-10.80840
1.510	21.680	.95340	-.03330	.13040	.07350	.00090	.00000	.00000	-.02000	-10.52540	-10.79330

LA67 (LTV 552) ORBITER 49-0

(RFD539)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1099/ 0 RN/L = 8.31

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-.510	-.08590	.04850	.14930	.11820	.00370	-.00060	.00040	.00000	-9.00980	-8.04030
2.010	-.300	-.07770	.04600	.14860	.11730	.00370	-.00060	.00030	.00000	-9.12760	-8.10860
2.010	-.090	-.06920	.04480	.14820	.11680	.00350	-.00060	.00030	.00000	-9.14330	-8.16170
2.010	.230	-.05690	.04380	.14780	.11630	.00330	-.00060	.00030	.00000	-9.22190	-8.13890
2.010	.640	-.03980	.04230	.14740	.11610	.00330	-.00040	.00040	.00000	-9.22190	-8.18440
2.010	1.140	-.02030	.03850	.14640	.11480	.00320	-.00040	.00030	.00000	-9.26900	-8.30580
2.010	1.680	.00090	.03690	.14550	.11390	.00300	-.00040	.00030	.00000	-9.26000	-8.31340
2.010	2.270	.02110	.03390	.14390	.11200	.00290	-.00050	.00020	.00000	-9.41030	-8.32850
2.010	2.830	.04410	.03120	.14370	.11190	.00280	-.00040	.00020	.00000	-9.52030	-8.38160
2.010	3.420	.06440	.02800	.14250	.11060	.00250	-.00060	.00010	.00000	-9.64590	-8.50300
2.010	4.020	.09600	.02640	.14110	.10910	.00240	-.00050	.00010	.00000	-9.74800	-8.51050
2.010	4.590	.10700	.02340	.14000	.10820	.00230	-.00050	.00010	.00000	-9.85010	-8.57120
2.010	5.170	.12760	.02030	.13830	.10640	.00200	-.00060	.00000	.00000	-9.83440	-8.68500
2.010	5.760	.14870	.01850	.13720	.10510	.00190	-.00050	.00000	.00000	-9.85010	-8.76840
2.010	6.350	.17020	.01580	.13600	.10390	.00180	-.00060	.00000	.00000	-9.96000	-8.98070
2.010	6.960	.19170	.01380	.13480	.10250	.00160	-.00060	.00000	.00000	-10.04640	-9.14760
2.010	7.580	.21330	.01240	.13380	.10140	.00150	-.00060	.00000	.00000	-10.25840	-9.42060
2.010	8.190	.23670	.01100	.13280	.10040	.00130	-.00050	.00000	.00000	-10.54900	-9.66330
2.010	8.800	.25940	.01010	.13160	.09910	.00120	-.00060	.00000	.00000	-10.73750	-9.83770
2.010	9.430	.28380	.00960	.13020	.09740	.00120	-.00040	.00010	.00000	-10.86310	-9.96660
2.010	10.050	.30600	.00870	.12840	.09540	.00100	-.00040	.00000	.00000	-10.99660	-10.12590
2.010	10.690	.33080	.00770	.12710	.09380	.00090	-.00050	.00000	.00000	-11.13800	-10.30790
2.010	11.320	.35400	.00580	.12630	.09260	.00100	-.00060	.00010	.00000	-11.17720	-10.55920
2.010	11.950	.37830	.00500	.12480	.09050	.00100	-.00050	.00010	-.01000	-11.21650	-10.66430
2.010	12.590	.40290	.00570	.12330	.08850	.00080	-.00060	.00010	-.01000	-11.22440	-10.66430
2.010	13.230	.42740	.00470	.12210	.08650	.00090	-.00060	.00010	-.01000	-11.25580	-10.74780
2.010	13.900	.45540	.00400	.12080	.08490	.00100	-.00040	.00010	-.01000	-11.23220	-10.76290
2.010	14.530	.47940	.00280	.12010	.08390	.00140	-.00050	.00020	-.01000	-11.20080	-10.79330
2.010	15.180	.50680	.00150	.11920	.08260	.00160	-.00050	.00030	-.01000	-11.17720	-10.83880
2.010	15.820	.53270	.00050	.11820	.08140	.00150	-.00040	.00030	-.01000	-11.18510	-10.76290
2.010	16.470	.55920	.00020	.11700	.08000	.00110	-.00040	.00020	-.01000	-11.19290	-10.83120
2.010	17.130	.58640	-.00220	.11560	.07830	.00170	-.00030	.00020	-.01000	-11.26360	-10.86910
2.010	17.790	.61200	-.00360	.11430	.07700	.00160	-.00030	.00010	-.01000	-11.28720	-10.87670
2.010	18.400	.63780	-.00500	.11330	.07600	.00150	-.00040	.00010	-.01000	-11.26360	-10.83120
2.010	19.030	.65950	-.00640	.11200	.07450	.00160	-.00040	.00010	-.01000	-11.31070	-10.88430
2.010	19.670	.69010	-.00800	.11090	.07320	.00150	-.00040	.00000	-.01000	-11.35790	-10.92220
2.010	20.300	.71500	-.00870	.10980	.07170	.00120	-.00050	.00000	-.01000	-11.32650	-10.90700
2.010	20.890	.74130	-.00990	.10840	.07010	.00190	-.00040	.00000	-.01000	-11.35000	-10.97530
2.010	21.400	.76280	-.01080	.10750	.06920	.00090	-.00060	.00000	-.01000	-11.35000	-10.98290
2.010	21.860	.77800	-.01170	.10650	.06780	.00120	-.00050	.00010	-.01000	-11.40500	-10.92220
2.010	22.220	.79440	-.01230	.10590	.06710	.00130	-.00060	.00010	-.01000	-11.46000	-10.99800
2.010	22.600	.81000	-.01300	.10460	.06600	.00070	-.00060	.00000	-.01000	-11.42070	-10.96010

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD040)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 88/ 0 RN/L = 10.58

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	- .160	-.07210	.01170	.11460	.09860	.00110	.00000	.00050	.00000	-9.57520	-8.49540
2.990	.370	-.05790	.01120	.11340	.09740	.00160	.00010	.00050	.00000	-9.58310	-8.52570
2.990	1.390	-.03080	.01010	.11130	.09540	.00100	.00000	.00050	.00000	-9.62230	-8.49540
2.990	2.250	-.00970	.00970	.11000	.09400	.00140	.00000	.00040	.00000	-9.59880	-8.56360
2.990	3.050	.01140	.00890	.10890	.09280	.00060	.00000	.00030	.00000	-9.61450	-8.60150
2.990	3.850	.03300	.00820	.10760	.09120	.00050	-.00010	.00010	.00000	-9.61450	-8.58640
2.990	4.660	.05620	.00720	.10550	.08890	.00100	-.00020	.00010	.00000	-9.66160	-8.61670
2.990	5.460	.07890	.00650	.10360	.08690	.00120	-.00020	.00010	.00000	-9.66950	-8.65460
2.990	6.280	.10190	.00480	.10210	.08530	.00070	-.00020	.00000	.00000	-9.65380	-8.73810
2.990	7.090	.12560	.00440	.10060	.08350	.00020	-.00030	.00000	.00000	-9.67730	-8.73810
2.990	7.900	.15040	.00410	.09910	.08190	.00030	-.00030	.00000	.00000	-9.63020	-8.79110
2.990	8.710	.17580	.00450	.09810	.08070	.00020	-.00030	.00000	.00000	-9.65380	-8.76840
2.990	9.530	.20040	.00390	.09690	.07940	.00030	-.00030	.00000	.00000	-9.66950	-8.77600
2.990	10.340	.22680	.00300	.09600	.07830	.00010	-.00030	.00000	-.01000	-9.67730	-8.85180
2.990	11.170	.25240	.00200	.09530	.07750	-.00040	-.00040	.00000	-.01000	-9.64590	-8.83660
2.990	11.970	.27730	.00120	.09460	.07660	-.00050	-.00050	-.00010	-.01000	-9.62230	-8.83660
2.990	12.800	.30490	-.00030	.09380	.07550	-.00040	-.00050	-.00010	-.01000	-9.60660	-8.92010
2.990	13.610	.33030	-.00130	.09270	.07410	-.00100	-.00040	-.00020	-.01000	-9.60660	-8.95800
2.990	14.430	.35730	-.00200	.09180	.07300	-.00070	-.00040	-.00020	-.01000	-9.67730	-9.02620
2.990	15.270	.38580	-.00260	.09080	.07190	-.00040	-.00030	-.00010	-.01000	-9.68520	-9.12480
2.990	16.080	.41370	-.00360	.08970	.07060	-.00050	-.00030	.00000	-.01000	-9.74010	-9.26130
2.990	16.900	.43970	-.00450	.08860	.06940	-.00110	-.00040	-.00010	-.01000	-9.95220	-9.42820
2.990	17.720	.46910	-.00510	.08710	.06780	-.00080	-.00060	.00000	-.01000	-10.00720	-9.58740
2.990	18.540	.49840	-.00650	.08590	.06650	-.00150	-.00060	-.00010	-.01000	-10.02290	-9.67840
2.990	19.370	.52610	-.00670	.08450	.06500	-.00150	-.00060	-.00020	-.01000	-10.67470	-9.88320
2.990	20.200	.55670	-.00700	.08310	.06350	-.00140	-.00060	-.00030	-.01000	-10.83170	-10.12590
2.990	21.030	.58190	-.00800	.08160	.06200	-.00100	-.00050	-.00030	-.01000	-10.88670	-10.24720
2.990	21.850	.61840	-.00920	.08050	.06080	-.00130	-.00040	-.00030	-.02000	-10.80820	-10.40650
2.990	22.690	.65030	-.00920	.07910	.05940	-.00130	-.00050	-.00020	-.02000	-10.89450	-10.46720
2.990	23.500	.68240	-.01040	.07780	.05800	-.00110	-.00050	-.00010	-.02000	-10.87100	-10.59610
2.990	24.320	.71430	-.01120	.07590	.05700	-.00160	-.00050	-.00020	-.02000	-10.85530	-10.65580
2.990	25.160	.74790	-.01250	.07590	.05610	-.00180	-.00050	-.00010	-.02000	-10.95740	-10.75530
2.990	25.960	.78220	-.01390	.07440	.05450	-.00150	-.00050	-.00010	-.02000	-10.99660	-10.83120
2.990	26.800	.81350	-.01430	.07280	.05290	-.00250	-.00050	-.00010	-.02000	-11.06730	-10.81600
2.990	27.610	.84720	-.01580	.07140	.05150	-.00210	-.00050	-.00010	-.02000	-11.15370	-10.89180
2.990	28.440	.88030	-.01720	.07020	.05040	-.00270	-.00060	-.00020	-.02000	-11.23220	-10.93740
2.990	29.250	.91560	-.01810	.06870	.04890	-.00310	-.00060	-.00020	-.02000	-11.29500	-10.97530
2.990	30.050	.95080	-.01920	.06670	.04690	-.00230	-.00080	-.00010	-.02000	-11.44420	-11.03590
2.990	30.870	.98230	-.02110	.06500	.04540	-.00230	-.00070	-.00020	-.02000	-11.71120	-11.03590
2.990	31.670	1.01710	-.02290	.06300	.04330	-.00300	-.00040	-.00030	-.02000	-11.86050	-11.12690
2.990	32.470	1.05090	-.02430	.06150	.04200	-.00340	-.00050	-.00050	-.02000	-11.97800	-11.24070
2.990	33.250	1.08570	-.02550	.06020	.04070	-.00360	-.00020	-.00080	-.03000	-12.00970	-11.28620

ORIGINAL PAGE 111
NO. 1000 QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD040)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 88/ 0 RN/L = 10.58

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	34.010	1.11590	-.02680	.05920	.03980	-.00360	.00050	-.00110	-.03000	-12.09610	-11.29380
2.990	34.680	1.14690	-.02760	.05860	.03920	-.00360	.00060	-.00120	-.03000	-12.22170	-11.40000
2.990	35.030	1.16220	-.02850	.05840	.03920	-.00390	.00050	-.00120	-.03000	-12.40230	-11.43030

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD540)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSMP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1088/ 0 RN/L = 10.47

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	.000	-.06820	.01280	.11450	.09780	.00080	.00020	.00040	.00000	-10.21130	-9.17030
2.990	.430	-.05640	.01250	.11360	.09650	.00070	.00020	.00040	.00000	-10.27420	-9.25370
2.990	1.260	-.03480	.01120	.11230	.09480	.00070	.00010	.00040	.00000	-10.40770	-9.42820
2.990	2.360	-.00730	.01100	.11040	.09260	.00030	.00000	.00020	.00000	-10.65890	-9.72390
2.990	3.510	.02380	.01020	.10870	.09360	.00050	.00010	.00030	.00000	-10.94950	-10.11070
2.990	4.680	.05520	.00920	.10600	.08780	.00030	.00000	.00010	.00000	-11.08300	-10.36860
2.990	5.920	.08760	.00780	.10350	.08520	.00020	-.00020	.00000	.00000	-11.31860	-10.53540
2.990	7.040	.12450	.00690	.10100	.08230	.00000	-.00010	.00000	.00000	-11.65630	-10.77050
2.990	8.250	.16020	.00630	.09930	.08050	.00000	-.00010	.00000	.00000	-11.82120	-10.92980
2.990	9.490	.19810	.00660	.09750	.07850	-.00060	-.00010	.00000	.00000	-11.84480	-10.99800
2.990	10.730	.23780	.00500	.09580	.07660	-.00070	-.00020	.00000	-.01000	-11.88400	-11.05870
2.990	12.000	.27570	.00350	.09480	.07540	-.00100	-.00020	-.00010	-.01000	-11.97830	-11.04350
2.990	13.280	.31910	.00230	.09340	.07400	-.00140	-.00030	-.00010	-.01000	-12.01750	-11.12690
2.990	14.560	.36110	.00100	.09210	.07260	-.00160	-.00020	-.00010	-.01000	-11.97040	-11.16490
2.990	15.860	.40490	-.00040	.09000	.07060	-.00110	-.00020	.00000	-.01000	-12.04890	-11.18760
2.990	17.160	.44900	-.00220	.08810	.06860	-.00170	-.00030	-.00010	-.01000	-12.04890	-11.21800
2.990	18.470	.49410	-.00410	.08580	.06630	-.00150	-.00040	-.00010	-.01000	-12.06460	-11.23310
2.990	19.780	.54120	-.00610	.08360	.06400	-.00150	-.00040	-.00020	-.01000	-12.08820	-11.23310
2.990	21.100	.59200	-.00720	.08160	.06210	-.00180	-.00030	-.00030	-.01000	-12.10390	-11.31650
2.990	22.420	.64030	-.00900	.07930	.05990	-.00140	-.00030	-.00030	-.02000	-12.09610	-11.28620
2.990	23.760	.69400	-.01030	.07740	.05810	-.00150	-.00030	-.00020	-.02000	-12.18240	-11.33170
2.990	25.120	.74720	-.01150	.07550	.05630	-.00210	-.00040	-.00020	-.02000	-12.15100	-11.33170
2.990	26.490	.80390	-.01400	.07320	.05410	-.00240	-.00030	-.00020	-.02000	-12.21380	-11.35450
2.990	27.850	.86010	-.01580	.07070	.05170	-.00250	-.00040	-.00020	-.02000	-12.26880	-11.41510
2.990	29.240	.91740	-.01780	.06830	.04930	-.00270	-.00050	-.00010	-.02000	-12.28450	-11.42270
2.990	30.590	.97410	-.02090	.06530	.04640	-.00300	-.00050	-.00020	-.02000	-12.30020	-11.40000
2.990	31.950	1.03270	-.02380	.06250	.04340	-.00330	-.00010	-.00040	-.02000	-12.30810	-11.40000
2.990	33.250	1.08970	-.02610	.05060	.04150	-.00370	.00030	-.00070	-.03000	-12.38660	-11.46060
2.990	34.240	1.13060	-.02780	.04000	.03920	-.00340	.00070	-.00110	-.03000	-12.40230	-11.43030
2.990	34.960	1.15900	-.02860	.03810	.03890	-.00350	.00060	-.00110	-.03000	-12.37090	-11.42270

LA67 (LTV 552) ORBITER 49-0

(RF0041)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 74/ 0 RN/L = 17.07

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	.390	-.05770	-.00900	.08990	.08430	.00050	-.00020	-.00070	.00000	-9.95220	-8.12380
4.591	1.510	-.03650	-.00840	.08740	.08190	.00030	-.00020	-.00050	.00000	-9.91290	-8.14650
4.591	2.510	-.01310	-.00720	.08570	.08010	.00060	-.00010	-.00040	.00000	-9.96790	-8.15410
4.591	3.450	.00470	-.00670	.08410	.07850	.00000	.00000	-.00030	.00000	-9.96000	-8.13890
4.591	4.360	.02630	-.00540	.08250	.07700	.00040	.00000	-.00030	.00000	-9.97570	-8.14650
4.591	5.320	.04820	-.00510	.08040	.07480	.00000	.00010	-.00020	.00000	-9.96790	-8.16170
4.591	6.260	.06870	-.00420	.07890	.07330	.00030	.00030	-.00020	.00000	-9.96000	-8.19960
4.591	7.200	.09340	-.00310	.07810	.07220	.00000	.00010	-.00020	-.01000	-9.96790	-8.20720
4.591	8.140	.11360	-.00310	.07720	.07130	-.00030	.00000	-.00020	-.01000	-10.02290	-8.23750
4.591	9.100	.13620	-.00170	.07660	.07080	-.00040	.00000	-.00020	-.01000	-9.96000	-8.18440
4.591	10.370	.16830	-.00120	.07530	.06930	-.00020	-.00010	-.00040	-.01000	-10.03860	-8.26030
4.591	11.300	.19310	-.00110	.07420	.06840	-.00070	-.00010	-.00040	-.01000	-9.99930	-8.27540
4.591	12.250	.21300	-.00050	.07360	.06750	-.00070	-.00020	-.00050	-.01000	-10.03860	-8.22240
4.591	13.210	.24770	-.00040	.07260	.06650	-.00030	-.00020	-.00050	-.01000	-10.00720	-8.24510
4.591	14.170	.27370	-.00150	.07160	.06560	-.00080	-.00010	-.00050	-.01000	-10.01500	-8.23750
4.591	15.110	.30220	-.00210	.07110	.06510	.00000	-.00010	-.00060	-.01000	-9.99930	-8.30580
4.591	16.060	.33180	-.00210	.07030	.06410	.00000	-.00010	-.00050	-.01000	-9.98360	-8.30580
4.591	17.040	.36070	-.00130	.06930	.06320	-.00070	-.00020	-.00050	-.01000	-10.06210	-8.25790
4.591	17.990	.39100	-.00100	.06850	.06230	-.00050	-.00020	-.00060	-.01000	-10.03860	-8.32090
4.591	18.950	.42250	-.00040	.06770	.06150	-.00070	-.00020	-.00060	-.02000	-10.07000	-7.59290
4.591	19.920	.45430	.00000	.06710	.06090	-.00070	-.00020	-.00070	-.02000	-10.11710	-8.22240
4.591	20.880	.48760	.00030	.06650	.06020	.00000	-.00020	-.00060	-.02000	-10.10140	-8.57120
4.591	21.850	.52250	.00010	.06590	.05960	-.00050	-.00020	-.00060	-.02000	-10.14850	-7.95690
4.591	22.830	.55760	.00030	.06550	.05940	-.00040	-.00030	-.00070	-.02000	-10.15640	-9.28410
4.591	23.780	.59170	.00040	.06470	.05840	-.00060	-.00030	-.00070	-.02000	-10.32910	-8.48020
4.591	24.750	.62420	.00010	.06410	.05800	-.00090	-.00030	-.00080	-.02000	-10.35270	-6.98620
4.591	25.720	.66070	.00060	.06350	.05730	-.00070	-.00050	-.00080	-.02000	-10.56470	-10.36100
4.591	26.670	.69920	.00000	.06310	.05670	-.00110	-.00030	-.00090	-.02000	-10.61180	-5.44670
4.591	27.620	.73690	.00010	.06240	.05620	-.00110	-.00020	-.00100	-.02000	-10.75320	-4.55940
4.591	28.580	.77450	-.00040	.06160	.05520	-.00120	-.00010	-.00100	-.03000	-10.80820	-5.49980
4.591	29.530	.81350	-.00240	.06060	.05440	-.00120	.00000	-.00130	-.03000	-10.96520	-5.62970
4.591	30.470	.85020	-.00310	.05970	.05330	-.00070	-.00010	-.00140	-.03000	-11.01230	-5.55290
4.591	31.410	.88050	-.00490	.05900	.05290	-.00100	-.00010	-.00160	-.03000	-11.20080	-5.43150
4.591	32.340	.92720	-.00650	.05800	.05180	-.00030	-.00010	-.00170	-.03000	-11.28720	-6.19750
4.591	33.260	.96630	-.00830	.05740	.05130	.00000	-.00050	-.00160	-.03000	-11.38930	-8.29060
4.591	34.140	1.00540	-.00970	.05710	.05070	.00000	-.00070	-.00160	-.03000	-11.45210	-11.50610
4.591	34.700	1.02860	-.01110	.05670	.05050	.00040	-.00060	-.00170	-.03000	-11.57770	-9.98940

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0541)

PARAMETRIC DATA

ELEVON *	-10.000	AILRON *	.000
SPOBRK *	55.000	RN/L *	16.000
GRITNO *	.000	RCSP0S *	1.000
BETA *	.000	ALFSWP *	2.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 1074/ 0 RN/L = 17.33

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	.090	-.06540	-.00760	.09130	.08520	-.00020	-.00030	-.00010	.00000	-10.86310	-8.95040
4.591	.520	-.05770	-.00760	.09030	.08420	-.00060	-.00020	-.00070	.00000	-10.94170	-8.91250
4.591	1.300	-.04190	-.00750	.08810	.08200	-.00010	.00000	-.00060	.00000	-10.89450	-8.94280
4.591	2.310	-.01850	-.00670	.08640	.08040	-.00020	-.00010	-.00040	.00000	-11.00450	-9.07170
4.591	3.340	.00250	-.00590	.08440	.07840	.00000	.00000	-.00040	.00000	-11.05160	-9.11720
4.591	4.400	.02430	-.00400	.08260	.07660	.00010	.00010	-.00020	.00000	-11.13800	-9.56470
4.591	5.440	.05040	-.00330	.08080	.07460	-.00040	.00020	-.00030	.00000	-11.27150	-9.74670
4.591	6.500	.07500	-.00250	.07900	.07290	.00000	.00020	-.00010	.00000	-11.23220	-11.21800
4.591	7.570	.09870	-.00160	.07790	.07190	.00000	.00020	-.00020	-.01000	-11.32650	-12.31000
4.591	8.670	.12710	-.00080	.07730	.07090	-.00010	.00010	-.00030	-.01000	-11.26360	-9.54950
4.591	9.750	.15170	-.00010	.07610	.06980	-.00030	.00000	-.00030	-.01000	-11.27150	-5.88650
4.591	10.880	.18110	.00030	.07510	.06880	-.00080	.00000	-.00040	-.01000	-11.30290	-6.01550
4.591	12.000	.21280	.00100	.07400	.06790	-.00080	-.00010	-.00040	-.01000	-11.29500	-6.47050
4.591	13.130	.24390	.00070	.07310	.06680	-.00110	.00000	-.00050	-.01000	-11.36570	-7.05440
4.591	14.250	.27600	-.00050	.07180	.06550	-.00050	.00000	-.00040	-.01000	-11.32650	-9.48640
4.591	15.390	.31000	-.00100	.07070	.06440	-.00040	.00000	-.00040	-.01000	-11.35000	-9.46610
4.591	16.560	.34660	-.00380	.07000	.06390	-.00090	.00000	-.00050	-.01000	-11.42850	-8.50320
4.591	17.710	.38370	.00000	.06860	.06250	-.00050	-.00010	-.00040	-.01000	-11.47570	-9.32200
4.591	18.890	.42020	.00090	.06780	.06130	-.00080	-.00010	-.00060	-.02000	-11.46000	-9.63290
4.591	20.060	.45950	.00090	.06680	.06060	-.00050	.00000	-.00060	-.02000	-11.51490	-9.61020
4.591	21.250	.50110	.00040	.06620	.05980	-.00050	.00000	-.00070	-.02000	-11.43640	-9.64810
4.591	22.440	.54430	.00100	.06550	.05910	-.00050	-.00010	-.00060	-.02000	-11.53060	-9.76940
4.591	23.620	.58630	.00090	.06470	.05840	-.00100	-.00020	-.00070	-.02000	-11.53850	-9.61780
4.591	24.840	.62920	.00010	.06400	.05770	-.00130	-.00020	-.00080	-.02000	-11.60130	-9.50400
4.591	26.050	.67730	.00010	.06330	.05710	-.00130	-.00020	-.00080	-.02000	-11.56990	-9.14760
4.591	27.280	.72470	-.00060	.06260	.05610	-.00100	-.00010	-.00090	-.02000	-11.49140	-9.79980
4.591	28.500	.77450	-.00110	.06140	.05510	-.00120	.00000	-.00090	-.03000	-11.56990	-9.67840
4.591	29.730	.82580	-.00290	.06030	.05410	-.00070	.00000	-.00110	-.03000	-11.56200	-8.51050
4.591	30.960	.87440	-.00460	.05920	.05300	-.00090	-.00010	-.00130	-.03000	-11.56200	-8.51050
4.591	32.200	.92590	-.00700	.05850	.05200	-.00060	-.00020	-.00150	-.03000	-11.57770	-7.59290
4.591	33.340	.97420	-.00880	.05770	.05140	.00050	-.00040	-.00150	-.03000	-11.63270	-6.35570
4.591	34.250	1.01120	-.01060	.05750	.05100	.00030	-.00060	-.00160	-.03000	-11.66410	-6.94070
4.591	34.720	1.03150	-.01160	.05710	.05060	.00060	-.00060	-.00170	-.03000	-11.60920	-8.69250

ORIGINAL PAGE IS
OF POOR QUALITY

LA57 (LTV 552) ORBITER 49-0

(RFD042)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 98/ 0 RN/L = 8.22

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	.450	.06510	.03190	.14700	.11670	.00420	-.00070	.00050	.00000	-2.61750	-2.92130
2.010	.080	.04560	.02950	.14540	.11490	.00420	-.00060	.00050	.00000	-2.69600	-2.91370
2.010	.790	.01710	.02600	.14430	.11370	.00400	-.00070	.00050	.00000	-2.70390	-2.95160
2.010	1.370	.00540	.02320	.14330	.11260	.00370	-.00060	.00040	.00000	-2.65670	-2.97440
2.010	1.950	.02870	.02010	.14280	.11190	.00380	-.00060	.00050	.00000	-2.74310	-3.03500
2.010	2.470	.04940	.01800	.14230	.11140	.00310	-.00060	.00040	.00000	-2.71170	-3.08810
2.010	2.980	.06770	.01530	.14120	.11010	.00330	-.00060	.00050	.00000	-2.75100	-3.11090
2.010	3.510	.08870	.01340	.14080	.10950	.00290	-.00070	.00050	.00000	-2.79020	-3.17150
2.010	4.030	.10670	.01050	.13970	.10840	.00270	-.00060	.00050	.00000	-2.79020	-3.17910
2.010	4.550	.12510	.00850	.13850	.10730	.00250	-.00060	.00050	.00000	-2.90020	-3.23220
2.010	5.070	.14580	.00610	.13720	.10610	.00220	-.00060	.00050	.00000	-2.96300	-3.39910
2.010	5.590	.16260	.00390	.13620	.10500	.00220	-.00050	.00060	.00000	-2.98660	-3.53560
2.010	6.120	.18360	.00200	.13480	.10360	.00260	-.00050	.00080	.00000	-3.17500	-3.74030
2.010	6.640	.20220	-.00010	.13450	.10320	.00250	-.00050	.00070	.00000	-3.28500	-3.86930
2.010	7.160	.22020	-.00150	.13370	.10220	.00220	-.00050	.00060	.00000	-3.56770	-3.96780
2.010	7.690	.23750	-.00190	.13310	.10150	.00200	-.00060	.00050	.00000	-3.85040	-4.11190
2.010	8.220	.25580	-.00290	.13240	.10060	.00150	-.00060	.00050	.00000	-4.10170	-4.24090
2.010	8.750	.27670	-.00320	.13120	.09920	.00190	-.00060	.00050	.00000	-4.29020	-4.30980
2.010	9.280	.29350	-.00460	.13040	.09820	.00150	-.00060	.00040	.00000	-4.33730	-4.43050
2.010	9.810	.31270	-.00510	.12920	.09670	.00130	-.00060	.00040	.00000	-4.40010	-4.42290
2.010	10.340	.33350	-.00570	.12870	.09570	.00170	-.00080	.00040	.00000	-4.42370	-4.53660
2.010	10.850	.35130	-.00690	.12790	.09440	.00200	-.00070	.00030	.00000	-4.47060	-4.53660
2.010	11.400	.37320	-.00790	.12690	.09320	.00130	-.00080	.00040	.00000	-4.56500	-4.65040
2.010	11.900	.39410	-.00670	.12590	.09160	.00220	-.00080	.00040	-.01000	-4.53360	-4.74140
2.010	12.440	.41380	-.00960	.12460	.09010	.00170	-.00080	.00050	-.01000	-4.65930	-4.82480
2.010	12.960	.43480	-.01050	.12320	.08840	.00200	-.00090	.00050	-.01000	-4.68280	-4.89310
2.010	13.490	.45440	-.01080	.12240	.08740	.00210	-.00080	.00040	-.01000	-4.70640	-4.91580
2.010	14.030	.47640	-.01170	.12160	.08630	.00180	-.00080	.00050	-.01000	-4.83990	-4.96130
2.010	14.540	.49900	-.01200	.12050	.08480	.00240	-.00080	.00060	.01000	-4.89480	-5.09020
2.010	15.060	.52020	-.01330	.11940	.08350	.00240	-.00080	.00050	-.01000	-4.88700	-5.17370
2.010	15.600	.54110	-.01410	.11860	.08260	.00170	-.00070	.00040	-.01000	-4.96550	-5.20400
2.010	16.100	.56180	-.01480	.11740	.08120	.00180	-.00070	.00040	-.01000	-5.06760	-5.24950
2.010	16.620	.58300	-.01510	.11590	.07950	.00200	-.00070	.00040	-.01000	-5.11470	-5.38600
2.010	17.130	.60180	-.01640	.11480	.07850	.00160	-.00060	.00040	-.01000	-5.19330	-5.40880
2.010	17.660	.62490	-.01720	.11400	.07760	.00210	-.00060	.00040	-.01000	-5.13830	-5.50740
2.010	18.170	.64570	-.01880	.11280	.07630	.00200	-.00060	.00040	-.01000	-5.16190	-5.60590
2.010	18.680	.66570	-.01990	.11190	.07550	.00150	-.00050	.00030	-.01000	-5.27960	-5.61350
2.010	19.220	.68620	-.02080	.11130	.07490	.00210	-.00040	.00020	-.01000	-5.40530	-5.73490
2.010	19.700	.70600	-.02220	.11030	.07380	.00160	-.00050	.00020	-.01000	-5.41320	-5.74250
2.010	20.230	.72890	-.02290	.10950	.07290	.00180	-.00050	.00020	-.01000	-5.57020	-5.81070
2.010	20.730	.74940	-.02380	.10820	.07120	.00200	-.00050	.00030	-.01000	-5.64090	-5.93200
2.010	21.230	.77210	-.02530	.10780	.07060	.00140	-.00060	.00020	-.01000	-5.68020	-5.96240

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD042)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPQS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 98/ 0 RN/L = 8.22

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CSL	BETA	ELVN-L	ELVN-R
2.010	21.720	.79230	-.02580	.10690	.06950	.00130	-.00070	.00020	-.01000	-5.73510	-6.00030
2.010	22.140	.81030	-.02700	.10550	.06780	.00150	-.00070	.00030	-.01000	-5.76650	-6.03060
2.010	22.460	.82510	-.02770	.10470	.06680	.00120	-.00070	.00030	-.01000	-5.84510	-6.06100

LA67 (LTV 552) ORBITER 49-0

(RFD542)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1098/ 0 RN/L = 8.24

MACH	ALPHA	CN	CLM	CA	CAS	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-.510	-.06740	.03260	.14690	.11590	.00410	-.00080	.00030	.00000	-3.53630	-3.39150
2.010	-.290	-.06020	.03130	.14650	.11570	.00390	-.00070	.00030	.00000	-3.56770	-3.38390
2.010	-.080	-.05080	.03020	.14650	.11550	.00330	-.00080	.00020	.00000	-3.59910	-3.44460
2.010	.270	-.03590	.02930	.14600	.11510	.00360	-.00080	.00030	.00000	-3.59130	-3.46730
2.010	.700	-.01900	.02620	.14460	.11330	.00360	-.00080	.00030	.00000	-3.71690	-3.56590
2.010	1.220	.00110	.02470	.14420	.11280	.00300	-.00080	.00030	.00000	-3.82680	-3.64170
2.010	1.770	.02250	.02170	.14350	.11210	.00270	-.00070	.00030	.00000	-3.92890	-3.71000
2.010	2.340	.04340	.01940	.14240	.11190	.00260	-.00070	.00030	.00000	-4.10170	-3.88440
2.010	2.920	.06460	.01680	.14190	.11040	.00230	-.00070	.00030	.00000	-4.29020	-4.09680
2.010	3.510	.08620	.01470	.14040	.10870	.00220	-.00070	.00030	.00000	-4.54930	-4.29390
2.010	4.110	.10710	.01210	.13910	.10760	.00260	-.00060	.00040	.00000	-4.76920	-4.52150
2.010	4.670	.12780	.01000	.13830	.10670	.00230	-.00060	.00040	.00000	-4.85560	-4.71110
2.010	5.280	.14960	.00800	.13660	.10480	.00170	-.00050	.00030	.00000	-5.09900	-4.99170
2.010	5.870	.17020	.00620	.13560	.10380	.00160	-.00060	.00030	.00000	-5.24820	-5.14330
2.010	6.450	.19310	.00410	.13460	.10250	.00140	-.00060	.00020	.00000	-5.36600	-5.31020
2.010	7.070	.21350	.00260	.13350	.10150	.00130	-.00060	.00020	.00000	-5.35030	-5.49980
2.010	7.680	.23530	.00100	.13240	.10010	.00120	-.00070	.00020	.00000	-5.42100	-5.59080
2.010	8.280	.25760	-.00120	.13180	.09920	.00150	-.00060	.00030	.00000	-5.44460	-5.59840
2.010	8.900	.28120	-.00140	.13090	.09790	.00120	-.00070	.00030	.00000	-5.50740	-5.71970
2.010	9.530	.30370	-.00250	.12940	.09610	.00090	-.00070	.00010	.00000	-5.53880	-5.75760
2.010	10.170	.32730	-.00380	.12800	.09400	.00090	-.00070	.00020	.00000	-5.53090	-5.76520
2.010	10.800	.34970	-.00570	.12700	.09250	.00130	-.00070	.00030	.00000	-5.57020	-5.77280
2.010	11.420	.37510	-.00610	.12620	.09130	.00110	-.00070	.00020	.00000	-5.64090	-5.85620
2.010	12.060	.39890	-.00810	.12500	.08990	.00140	-.00080	.00040	.00000	-5.66440	-5.84100
2.010	12.680	.42480	-.00950	.12380	.08830	.00160	-.00080	.00040	-.01000	-5.67230	-5.86380
2.010	13.330	.45190	-.00940	.12240	.08650	.00140	-.00080	.00030	-.01000	-5.68020	-5.93960
2.010	13.990	.47620	-.01080	.12090	.08480	.00130	-.00090	.00030	-.01000	-5.75870	-5.90170
2.010	14.630	.50110	-.01150	.11960	.08320	.00150	-.00090	.00040	-.01000	-5.71940	-5.92450
2.010	15.290	.52990	-.01290	.11850	.08200	.00150	-.00070	.00030	-.01000	-5.75030	-5.95480
2.010	15.940	.55570	-.01330	.11730	.08080	.00150	-.00060	.00030	-.01000	-5.75080	-6.03060
2.010	16.580	.58190	-.01490	.11580	.07930	.00150	-.00060	.00030	-.01000	-5.78220	-6.06100
2.010	17.230	.60810	-.01650	.11440	.07780	.00150	-.00070	.00020	-.01000	-5.82940	-6.00030
2.010	17.870	.63580	-.01800	.11340	.07660	.00150	-.00040	.00020	-.01000	-5.78220	-6.09130
2.010	18.510	.66120	-.01940	.11240	.07540	.00140	-.00050	.00020	-.01000	-5.79010	-6.11410
2.010	19.130	.68510	-.02060	.11080	.07370	.00140	-.00040	.00010	-.01000	-5.84510	-6.13680
2.010	19.780	.71210	-.02190	.10970	.07230	.00130	-.00060	.00010	-.01000	-5.82940	-5.08370
2.010	20.400	.74080	-.02410	.10910	.07150	.00150	-.00060	.00020	-.01000	-5.85290	-6.09890
2.010	20.990	.76310	-.02460	.10750	.06970	.00130	-.00050	.00020	-.01000	-5.80580	-6.16710
2.010	21.490	.78350	-.02590	.10650	.06850	.00140	-.00070	.00020	-.01000	-5.90580	-6.11410
2.010	21.910	.80100	-.02720	.10600	.06780	.00150	-.00070	.00020	-.01000	-5.86860	-6.18230
2.010	22.250	.81710	-.02720	.10550	.06720	.00140	-.00070	.00020	-.01000	-5.86860	-6.11410
2.010	22.580	.83030	-.02880	.10470	.06660	.00140	-.00080	.00040	-.01000	-5.85290	-6.15200

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD043)

PARAMETRIC DATA

ELEVON *	-5.000	AILRON *	.000
SPDBRK *	55.000	RN/L *	10.000
GRITNO *	.000	RCSPDS *	1.000
BETA *	.000	ALFSWP *	1.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 87/ 0 RN/L = 10.98

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-4.30	-.06620	.00650	.11270	.09730	.00170	.00060	.00050	.00000	-4.34510	-4.46080
2.990	.000	-.05610	.00600	.11210	.09660	.00150	.00060	.00050	.00000	-4.41580	-4.51390
2.990	1.010	-.02970	.00520	.11030	.09460	.00120	.00040	.00050	.00000	-4.38440	-4.49870
2.990	1.870	-.00870	.00500	.10930	.09350	.00120	.00040	.00050	.00000	-4.42370	-4.58970
2.990	2.680	.01160	.00440	.10860	.09270	.00030	.00040	.00040	.00000	-4.41380	-4.55180
2.990	3.480	.03190	.00480	.10760	.09140	.00040	.00030	.00040	.00000	-4.41580	-4.62000
2.990	4.290	.05350	.00400	.10590	.08940	.00100	.00020	.00030	.00000	-4.40800	-4.65800
2.990	5.100	.07600	.00320	.10380	.08710	.00080	.00000	.00040	.00000	-4.40010	-4.70350
2.990	5.910	.09890	.00210	.10250	.08540	.00020	.00000	.00030	.00000	-4.42370	-4.79450
2.990	6.720	.12190	.00180	.10080	.08370	.00060	.00000	.00040	.00000	-4.50220	-5.00680
2.990	7.550	.14590	.00100	.09970	.08240	.00000	.00000	.00040	.00000	-4.42370	-5.18120
2.990	8.360	.17060	.00090	.09870	.08120	.00000	.00000	.00050	.00000	-4.47080	-5.49980
2.990	9.170	.19490	-.00030	.09740	.07980	.00030	.00000	.00050	-.01000	-4.80850	-5.62870
2.990	10.000	.22060	-.00110	.09660	.07890	-.00010	.00000	.00040	-.01000	-4.87130	-5.71210
2.990	10.830	.24610	-.00140	.09570	.07780	-.00040	.00000	.00040	-.01000	-4.98120	-5.83350
2.990	11.630	.27130	-.00190	.09460	.07660	.00000	.00000	.00040	-.01000	-5.08330	-5.98510
2.990	12.460	.29730	-.00190	.09390	.07560	-.00010	.00000	.00030	-.01000	-5.18540	-6.08370
2.990	13.280	.32340	-.00290	.09280	.07440	-.00030	.00000	.00030	-.01000	-5.20900	-6.13680
2.990	14.100	.35160	-.00480	.09190	.07340	-.00080	.00000	.00020	-.01000	-5.24820	-6.13680
2.990	14.920	.37790	-.00550	.09100	.07240	-.00060	.00000	.00020	-.01000	-5.27180	-6.22780
2.990	15.760	.40750	-.00710	.09010	.07130	-.00120	-.00020	.00010	-.01000	-5.24040	-6.24300
2.990	16.580	.43510	-.00810	.08880	.06990	-.00070	-.00020	.00020	-.01000	-5.32680	-6.34920
2.990	17.400	.46380	-.00960	.08790	.06890	-.00080	-.00020	.00020	-.01000	-5.40530	-6.33400
2.990	18.230	.49240	-.00940	.08660	.06740	-.00070	-.00020	.00030	-.01000	-5.42100	-6.40220
2.990	19.050	.52140	-.01110	.08540	.06620	-.00090	-.00020	.00030	-.01000	-5.47600	-6.37950
2.990	19.870	.55110	-.01160	.08400	.06480	-.00110	-.00020	.00020	-.01000	-5.64090	-6.46290
2.990	20.690	.58040	-.01390	.08240	.06310	-.00160	-.00030	.00010	-.01000	-5.76650	-6.49320
2.990	21.530	.61290	-.01510	.08110	.06170	-.00180	-.00020	.00010	-.01000	-5.71940	-6.53120
2.990	22.350	.64230	-.01600	.07940	.06000	-.00180	-.00030	.00020	-.02000	-5.80580	-6.53880
2.990	23.170	.67580	-.01730	.07810	.05880	-.00190	-.00040	.00020	-.02000	-5.88430	-6.59940
2.990	24.010	.70940	-.01830	.07700	.05750	-.00120	-.00040	.00020	-.02000	-5.88430	-6.62980
2.990	24.830	.74290	-.01980	.07580	.05630	-.00140	-.00040	.00030	-.02000	-5.93140	-6.69040
2.990	25.670	.77790	-.02130	.07490	.05540	-.00110	-.00040	.00020	-.02000	-6.02570	-6.74350
2.990	26.490	.81090	-.02330	.07350	.05400	-.00210	-.00030	.00030	-.02000	-6.04140	-6.83450
2.990	27.320	.84490	-.02350	.07120	.05240	-.00210	-.00040	.00030	-.02000	-6.11210	-6.86490
2.990	28.130	.87820	-.02530	.07080	.05130	-.00260	-.00040	.00030	-.02000	-6.22200	-6.88760
2.990	28.960	.91330	-.02620	.06950	.05000	-.00280	-.00050	.00020	-.02000	-6.30050	-6.97860
2.990	29.760	.94630	-.02900	.06760	.04820	-.00230	-.00050	.00020	-.02000	-6.37120	-6.99380
2.990	30.570	.97970	-.03120	.06580	.04640	-.00190	-.00070	.00020	-.02000	-6.41830	-7.04690
2.990	31.380	1.01670	-.03340	.06430	.04480	-.00220	-.00070	.00010	-.02000	-6.42900	-7.10000
2.990	32.180	1.04990	-.03630	.06230	.04290	-.00240	-.00030	.00000	-.02000	-6.56750	-7.18340
2.990	32.950	1.08360	-.03870	.06120	.04190	-.00290	-.00010	-.00040	-.02000	-6.70890	-7.24400

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD043)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 87/ 0 RN/L = 10.98

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	33.740	1.11900	-.04030	.05990	.04060	-.00340	.00030	-.00080	-.03000	-6.80310	-7.26680
2.990	34.470	1.14780	-.04240	.05910	.03990	-.00330	.00030	-.00100	-.03000	-6.88950	-7.34260
2.990	34.980	1.17260	-.04340	.05830	.03930	-.00310	.00040	-.00100	-.03000	-6.92880	-7.38540

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD044)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 75/ 0 RN/L = 15.14

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	.150	-.06090	-.00790	.09240	.08780	.00000	.00070	.00020	.00000	-3.46560	-3.74790
4.591	1.260	-.03840	-.00840	.08960	.08490	-.00020	.00060	.00020	.00000	-3.45770	-3.74030
4.591	2.250	-.01640	-.00790	.08750	.08280	-.00010	.00050	.00020	.00000	-3.44990	-3.77820
4.591	3.180	.00310	-.00740	.08530	.08030	-.00030	.00040	.00020	.00000	-3.46560	-3.84650
4.591	4.110	.02200	-.00820	.08420	.07910	.00020	.00060	.00000	.00000	-3.49700	-3.84650
4.591	5.060	.04380	-.00690	.08180	.07700	-.00090	.00020	.00010	.00000	-3.50490	-3.92990
4.591	6.000	.06720	-.00760	.07930	.07440	-.00070	.00040	.00010	.00000	-3.45770	-3.96030
4.591	6.940	.08890	-.00740	.07840	.07350	-.00080	.00030	.00000	.00000	-3.46560	-4.01330
4.591	7.900	.11120	-.00520	.07790	.07260	-.00080	.00030	.00010	-.01000	-3.45770	-4.08160
4.591	8.840	.13520	-.00410	.07700	.07180	-.00050	.00020	.00030	-.01000	-3.48920	-4.12710
4.591	9.800	.15980	-.00340	.07650	.07110	-.00100	.00030	.00020	-.01000	-3.50490	-4.15740
4.591	10.750	.18350	-.00400	.07530	.06990	-.00120	.00020	.00010	-.01000	-3.70120	-4.20290
4.591	11.700	.20830	-.00410	.07450	.06910	-.00130	.00010	.00010	-.01000	-3.74830	-4.22570
4.591	12.640	.23420	-.00500	.07340	.06790	-.00110	.00010	.00010	-.01000	-3.75620	-4.28640
4.591	13.610	.26340	-.00430	.07260	.06720	-.00190	.00010	.00000	-.01000	-3.88970	-4.30150
4.591	14.560	.29170	-.00490	.07180	.06640	-.00200	.00020	.00000	-.01000	-3.98390	-4.30910
4.591	15.520	.32210	-.00420	.07110	.06550	-.00210	.00020	.00000	-.01000	-4.02320	-4.34700
4.591	16.480	.35140	-.00400	.07040	.06470	-.00200	.00000	.00000	-.01000	-4.13310	-4.43050
4.591	17.440	.38070	-.00410	.06920	.06390	-.00200	.00000	-.00010	-.01000	-4.21950	-4.46080
4.591	18.410	.41090	-.00450	.06840	.06300	-.00170	.00000	.00000	-.01000	-4.25090	-4.49110
4.591	19.370	.44320	-.00450	.06770	.06230	-.00200	.00000	-.00020	-.02000	-4.29020	-4.51390
4.591	20.330	.47750	-.00570	.06730	.06200	-.00210	-.00010	-.00020	-.02000	-4.32160	-4.49870
4.591	21.320	.51070	-.00640	.06690	.06130	-.00200	-.00010	-.00020	-.02000	-4.36870	-4.52150
4.591	22.270	.54480	-.00600	.06640	.06090	-.00230	-.00010	-.00030	-.02000	-4.40800	-4.59730
4.591	23.240	.58050	-.00660	.06580	.06020	-.00230	.00000	-.00020	-.02000	-4.41580	-4.67310
4.591	24.210	.61560	-.00740	.06500	.05940	-.00240	.00000	-.00020	-.02000	-4.46290	-4.71860
4.591	25.170	.65230	-.00790	.06430	.05860	-.00240	-.00010	-.00020	-.02000	-4.45510	-4.76410
4.591	26.140	.68960	-.00880	.06380	.05810	-.00250	-.00010	-.00030	-.02000	-4.50220	-4.80960
4.591	27.090	.72810	-.00940	.06330	.05790	-.00280	.00000	-.00040	-.02000	-4.62000	-4.93100
4.591	28.060	.76490	-.01050	.06250	.05680	-.00290	.00000	-.00040	-.02000	-4.65140	-4.97650
4.591	29.020	.80570	-.01170	.06170	.05590	-.00340	.00000	-.00070	-.02000	-4.79280	-5.02200
4.591	29.950	.84350	-.01390	.06100	.05530	-.00360	.00000	-.00080	-.03000	-4.91840	-5.12820
4.591	30.890	.88430	-.01480	.06030	.05480	-.00360	.00020	-.00100	-.03000	-4.99910	-5.20400
4.591	31.830	.92260	-.01630	.05940	.05360	-.00390	.00020	-.00120	-.03000	-5.07550	-5.29500
4.591	32.770	.96400	-.01800	.05880	.05330	-.00350	.00000	-.00110	-.03000	-5.23250	-5.40120
4.591	33.680	1.00390	-.02100	.05820	.05270	-.00290	-.00020	-.00090	-.03000	-5.27180	-5.49980
4.591	34.480	1.03790	-.02220	.05780	.05220	-.00290	-.00020	-.00100	-.03000	-5.24040	-5.51490
4.591	34.810	1.05300	-.02380	.05780	.05200	-.00300	-.00040	-.00100	-.03000	-5.27960	-5.54530

LA67 (LTV 552) ORBITER 49-0

(RFD544)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPQS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1075/ 0 RN/L = 16.61

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-.070	-.06320	-.00630	.09190	.08640	.00000	.00050	.00000	.00000	-4.94200	-4.60490
4.591	.160	-.05630	-.00680	.09140	.08580	-.00010	.00070	.00010	.00000	-4.94200	-4.60490
4.591	.690	-.04530	-.00720	.08990	.08410	-.00030	.00060	.00000	.00000	-4.99690	-4.64280
4.591	1.560	-.02870	-.00730	.08790	.08220	-.00040	.00050	.00000	.00000	-5.04410	-4.70350
4.591	2.570	-.00750	-.00750	.08600	.08010	-.00030	.00050	.00000	.00000	-5.06760	-4.82480
4.591	3.620	.01620	-.00660	.08410	.07840	-.00040	.00060	.00010	.00000	-5.07550	-4.85510
4.591	4.660	.03710	-.00600	.08230	.07650	-.00040	.00060	.00000	.00000	-5.15400	-4.87790
4.591	5.690	.06130	-.00750	.08000	.07430	-.00060	.00040	.00000	.00000	-5.10690	-4.96890
4.591	6.750	.08650	-.00740	.07850	.07260	-.00060	.00030	.00000	.00000	-5.11470	-5.02960
4.591	7.840	.11280	-.00560	.07780	.07180	-.00110	.00050	.00000	-.01000	-5.16190	-5.03720
4.591	8.930	.13840	-.00430	.07680	.07100	-.00150	.00040	.00000	-.01000	-5.19330	-5.05990
4.591	10.050	.16480	-.00340	.07580	.06990	-.00160	.00030	.00000	-.01000	-5.19330	-5.14330
4.591	11.170	.19550	-.00350	.07480	.06890	-.00170	.00020	.00000	-.01000	-5.22470	-5.18120
4.591	12.270	.22430	-.00410	.07360	.06780	-.00180	.00010	.00000	-.01000	-5.19330	-5.20400
4.591	13.410	.25820	-.00480	.07240	.06690	-.00200	.00010	.00000	-.01000	-5.22470	-5.21920
4.591	14.550	.29130	-.00450	.07140	.06580	-.00210	.00020	-.00010	-.01000	-5.19330	-5.27230
4.591	15.690	.32720	-.00440	.07070	.06470	-.00210	.00020	.00000	-.01000	-5.20900	-5.31020
4.591	16.850	.36460	-.00380	.06970	.06430	-.00220	.00020	-.00010	-.01000	-5.27180	-5.30260
4.591	18.010	.40130	-.00410	.06860	.06300	-.00220	.00010	-.00010	-.01000	-5.19330	-5.31780
4.591	19.190	.44180	-.00480	.06770	.06190	-.00240	.00000	-.00020	-.02000	-5.19330	-5.35570
4.591	20.360	.48090	-.00570	.06710	.06130	-.00230	.00000	-.00030	-.02000	-5.18540	-5.43150
4.591	21.550	.52220	-.00650	.06640	.06050	-.00250	.00000	-.00040	-.02000	-5.15400	-5.42390
4.591	22.730	.56550	-.00610	.06600	.06010	-.00260	.00010	-.00030	-.02000	-5.18540	-5.45430
4.591	23.940	.61020	-.00770	.06500	.05940	-.00290	.00000	-.00050	-.02000	-5.16970	-5.48460
4.591	25.130	.65550	-.00740	.06420	.05840	-.00290	.00000	-.00040	-.02000	-5.20900	-5.46940
4.591	26.370	.70120	-.00880	.06350	.05760	-.00310	.00000	-.00050	-.02000	-5.19330	-5.51490
4.591	27.590	.75090	-.01060	.06250	.05690	-.00330	.00000	-.00060	-.02000	-5.22470	-5.49980
4.591	28.820	.79390	-.01240	.06180	.05590	-.00340	.00000	-.00070	-.02000	-5.19330	-5.53770
4.591	30.060	.85220	-.01460	.06070	.05510	-.00360	.00010	-.00090	-.03000	-5.24040	-5.51490
4.591	31.280	.90200	-.01700	.05970	.05380	-.00350	.00000	-.00100	-.03000	-5.22470	-5.56040
4.591	32.510	.95500	-.01930	.05910	.05320	-.00320	.00000	-.00110	-.03000	-5.24820	-5.56900
4.591	33.590	1.00300	-.02160	.05840	.05250	-.00270	-.00020	-.00100	-.03000	-5.24040	-5.54530
4.591	34.390	1.03650	-.02300	.05810	.05230	-.00260	-.00030	-.00090	-.03000	-5.27180	-5.55290
4.591	34.730	1.05200	-.02340	.05780	.05190	-.00270	-.00010	-.00090	-.03000	-5.28750	-5.54530

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0045)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 110/ 0 RN/L = 8.04

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-.420	-.01220	.02720	.17240	.12570	.00560	.00000	.00060	.00000	4.92910	5.09470
1.510	.110	.01480	.02270	.17090	.12390	.00460	-.00010	.00060	.00000	4.96840	5.06440
1.510	.810	.04910	.01610	.16960	.12270	.00450	.00000	.00050	.00000	4.92910	4.98850
1.510	1.420	.07650	.01080	.16960	.12270	.00440	-.00010	.00060	.00000	4.85850	5.02640
1.510	1.990	.10550	.00530	.16810	.12080	.00420	.00000	.00050	.00000	4.88200	5.00370
1.510	2.500	.13140	.00120	.16780	.12060	.00390	.00000	.00050	.00000	4.76420	4.91270
1.510	3.000	.15460	-.00290	.16660	.11920	.00400	.00000	.00040	.00000	4.77210	4.94300
1.510	3.530	.17930	-.00760	.16580	.11780	.00340	.00000	.00030	.00000	4.70930	4.91270
1.510	4.040	.20390	-.01170	.16570	.11730	.00300	.00000	.00010	.00000	4.70140	4.78380
1.510	4.570	.22830	-.01610	.16500	.11610	.00270	.00000	.00010	.00000	4.65430	4.76860
1.510	5.090	.25380	-.02050	.16450	.11540	.00260	.00000	.00000	.00000	4.49720	4.71550
1.510	5.610	.28020	-.02550	.16400	.11480	.00250	.00000	.00000	.00000	4.41870	4.63210
1.510	6.140	.30630	-.02990	.16340	.11390	.00210	.00000	-.00010	.00000	4.34020	4.57140
1.510	6.650	.33260	-.03380	.16250	.11280	.00120	.00000	-.00030	.00000	4.25380	4.45770
1.510	7.180	.35840	-.03800	.16190	.11200	.00110	.00000	-.00050	.00000	4.20670	4.40460
1.510	7.710	.38330	-.04180	.16120	.11110	.00100	.00000	-.00050	.00000	4.11240	4.33630
1.510	8.230	.40590	-.04510	.16010	.10980	.00090	.00010	-.00050	.00000	4.01040	4.32870
1.510	8.780	.43370	-.04830	.15950	.10880	.00100	.00000	-.00050	.00000	3.92400	4.19980
1.510	9.290	.45760	-.05180	.15880	.10810	.00100	.00010	-.00050	.00000	3.84540	4.17710
1.510	9.830	.48410	-.05470	.15780	.10690	.00060	.00000	-.00050	.00000	3.71190	4.05570
1.510	10.340	.50520	-.05750	.15660	.10520	.00120	.00010	-.00060	-.01000	3.54700	4.01780
1.510	10.870	.53140	-.05920	.15600	.10440	.00070	.00000	-.00060	-.01000	3.49990	3.94950
1.510	11.390	.55480	-.06210	.15560	.10390	.00060	.00010	-.00080	-.01000	3.49210	3.85850
1.510	11.920	.57780	-.06410	.15420	.10230	.00060	.00010	-.00090	-.01000	3.43710	3.85850
1.510	12.430	.60420	-.06690	.15280	.10080	.00120	.00020	-.00100	-.01000	3.43710	3.75240
1.510	12.960	.62640	-.06890	.15130	.09960	.00100	.00030	-.00090	-.01000	3.39780	3.74480
1.510	13.470	.64850	-.07070	.14900	.09800	.00050	.00030	-.00080	-.01000	3.31930	3.69170
1.510	14.000	.67460	-.07320	.14770	.09710	.00060	.00030	-.00070	-.01000	3.28790	3.65380
1.510	14.510	.69750	-.07470	.14620	.09540	.00110	.00040	-.00070	-.01000	3.32710	3.63100
1.510	15.060	.72490	-.07650	.14570	.09500	.00100	.00030	-.00070	-.01000	3.26430	3.58550
1.510	15.560	.74560	-.07810	.14460	.09360	.00060	.00030	-.00070	-.01000	3.27220	3.48590
1.510	16.070	.77010	-.07890	.14340	.09220	.00140	.00030	-.00080	-.01000	3.23290	3.50210
1.510	16.590	.79310	-.08020	.14270	.09140	.00110	.00030	-.00070	-.01000	3.28790	3.39590
1.510	17.110	.81910	-.08130	.14250	.09060	.00140	.00020	-.00060	-.01000	3.24080	3.33530
1.510	17.640	.84480	-.08300	.14210	.08930	.00080	.00020	-.00040	-.01000	3.20930	3.35800
1.510	18.130	.86580	-.08430	.14170	.08820	.00130	.00020	-.00050	-.01000	3.14650	3.27460
1.510	18.640	.89000	-.08400	.14100	.08700	.00120	.00010	-.00040	-.01000	3.11510	3.17500
1.510	19.160	.91330	-.08550	.14010	.08570	.00150	.00020	-.00040	-.01000	3.17010	3.13050
1.510	19.650	.93850	-.08790	.13970	.08510	.00120	.00020	-.00070	-.01000	3.13080	3.10770
1.510	20.170	.96240	-.08870	.13950	.08380	.00090	.00010	-.00060	-.01000	3.10730	3.06220
1.510	20.630	.98280	-.09000	.13710	.08230	.00100	.00020	-.00050	-.01000	3.09940	3.04710
1.510	21.120	1.00650	-.09110	.13630	.08170	.00080	.00010	-.00050	-.01000	3.02090	2.97880

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LIV 552) ORBITER 49-0

(RF0045)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 110/ 0 RN/L = 8.04

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	21.450	1.02270	-.09230	.13520	.08040	.00090	.00010	-.00030	-.02000	3.05230	2.97120

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0045)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 97/ 0 RN/L = 8.20

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-1.500	-.03420	.01130	.14740	.11560	.00470	-.00070	.00020	.00000	3.92400	4.26050
2.010	-.060	-.02060	.00970	.14690	.11520	.00470	-.00060	.00030	.00000	3.96320	4.27560
2.010	.650	.00840	.00680	.14530	.11350	.00400	-.00060	.00020	.00000	3.92400	4.20740
2.010	1.260	.02900	.00340	.14470	.11280	.00400	-.00050	.00020	.00000	3.87680	4.18460
2.010	1.810	.05050	.00080	.14470	.11300	.00420	-.00040	.00030	.00000	3.85330	4.23770
2.010	2.340	.06950	-.00130	.14420	.11240	.00400	-.00040	.00040	.00000	3.79050	4.19220
2.010	2.840	.08910	-.00340	.14380	.11190	.00380	-.00050	.00040	.00000	3.71980	4.14670
2.010	3.370	.10740	-.00460	.14300	.11100	.00340	-.00060	.00030	.00000	3.71980	4.12400
2.010	3.890	.12590	-.00760	.14210	.10980	.00370	-.00050	.00040	.00000	3.70410	4.07090
2.010	4.410	.14480	-.00890	.14120	.10900	.00300	-.00050	.00030	.00000	3.65700	4.05570
2.010	4.930	.16220	-.01080	.14040	.10800	.00300	-.00050	.00030	.00000	3.55490	4.07090
2.010	5.460	.18190	-.01320	.13970	.10710	.00230	-.00040	.00020	.00000	3.57060	4.05570
2.010	5.980	.20070	-.01600	.13970	.10690	.00270	-.00040	.00030	.00000	3.46060	3.97230
2.010	6.500	.22040	-.01710	.13930	.10630	.00220	-.00040	.00030	.00000	3.44490	3.97990
2.010	7.040	.23750	-.01970	.13820	.10470	.00230	-.00030	.00020	.00000	3.46850	3.96470
2.010	7.560	.25570	-.02140	.13780	.10400	.00240	-.00030	.00020	.00000	3.39780	3.88130
2.010	8.080	.27360	-.02230	.13700	.10280	.00230	-.00030	.00020	.00000	3.44490	3.84340
2.010	8.600	.29660	-.02330	.13690	.10280	.00180	-.00040	.00020	.00000	3.27220	3.83580
2.010	9.120	.31400	-.02490	.13570	.10160	.00140	-.00030	.00010	.00000	3.31140	3.79790
2.010	9.650	.33390	-.02550	.13480	.10060	.00150	-.00040	.00010	.00000	3.23290	3.76750
2.010	10.180	.35280	-.02690	.13360	.09920	.00190	-.00040	.00010	-.01000	3.28000	3.72960
2.010	10.690	.37400	-.02810	.13270	.09790	.00150	-.00050	.00000	.00000	3.28790	3.64620
2.010	11.230	.39290	-.02990	.13130	.09600	.00140	-.00050	.00000	-.01000	3.24860	3.56280
2.010	11.770	.41420	-.03040	.13020	.09450	.00200	-.00050	.00000	-.01000	3.24080	3.54000
2.010	12.290	.43510	-.03190	.12910	.09310	.00210	-.00050	.00000	-.01000	3.18580	3.51730
2.010	12.800	.45490	-.03250	.12810	.09190	.00140	-.00060	.00000	-.01000	3.24860	3.48690
2.010	13.330	.47710	-.03330	.12680	.09050	.00160	-.00060	.00000	-.01000	3.17010	3.37320
2.010	13.850	.49740	-.03480	.12600	.08970	.00130	-.00060	.00000	-.01000	3.20150	3.38830
2.010	14.370	.51930	-.03610	.12500	.08860	.00180	-.00050	-.00010	-.01000	3.14650	3.36560
2.010	14.890	.54010	-.03710	.12360	.08720	.00200	-.00050	-.00010	-.01000	3.17010	3.32010
2.010	15.420	.56320	-.03820	.12280	.08640	.00150	-.00060	.00000	-.01000	3.11510	3.21390
2.010	15.940	.58350	-.03940	.12180	.08520	.00150	-.00050	.00000	-.01000	3.12300	3.15320
2.010	16.460	.60400	-.04020	.12010	.08350	.00170	-.00050	-.00010	-.01000	3.17790	3.15320
2.010	16.970	.62600	-.04180	.11990	.08340	.00150	-.00050	-.00020	-.01000	3.02870	3.06220
2.010	17.490	.64620	-.04260	.11880	.08240	.00110	-.00050	-.00020	-.01000	2.91880	3.03950
2.010	18.010	.66800	-.04360	.11780	.08140	.00070	-.00050	-.00030	-.01000	2.90310	2.99400
2.010	18.510	.68790	-.04500	.11650	.08010	.00080	-.00060	-.00030	-.01000	2.79310	3.00910
2.010	19.030	.70860	-.04620	.11570	.07920	.00070	-.00060	-.00040	-.01000	2.65960	2.95610
2.010	19.550	.73060	-.04720	.11500	.07850	.00070	-.00040	-.00040	-.01000	2.53400	2.83470
2.010	20.050	.75270	-.04870	.11440	.07770	.00080	-.00040	-.00030	-.01000	2.47120	2.81960
2.010	20.550	.77340	-.04940	.11300	.07630	.00080	-.00030	-.00020	-.01000	2.47120	2.83470
2.010	21.040	.79260	-.05080	.11210	.07530	.00090	-.00040	-.00010	-.01000	2.37690	2.75130

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD545)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1110/ 0 RN/L = 8.02

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-.460	-.01690	.03110	.17120	.12500	.00540	.00020	.00060	.00000	4.33230	4.33630
1.510	-.180	-.00310	.02900	.17080	.12470	.00500	.00020	.00060	.00000	4.29310	4.32110
1.510	.120	.01210	.02620	.16930	.12270	.00530	.00020	.00060	.00000	4.19880	4.27560
1.510	.550	.03320	.02130	.16910	.12270	.00470	.00030	.00050	.00000	4.04960	4.17710
1.510	1.050	.05740	.01730	.16760	.12080	.00410	.00030	.00030	.00000	3.93180	4.07850
1.510	1.600	.08330	.01280	.16700	.12040	.00390	.00030	.00030	.00000	3.79050	4.01020
1.510	2.160	.11110	.00840	.16620	.11930	.00340	.00020	.00030	.00000	3.74340	3.86610
1.510	2.750	.13800	.00300	.16550	.11870	.00320	.00030	.00020	.00000	3.62560	3.81300
1.510	3.350	.16620	-.00130	.16380	.11610	.00280	.00020	.00020	.00000	3.46850	3.77510
1.510	3.930	.19440	-.00690	.16360	.11580	.00280	.00030	.00020	.00000	3.45280	3.71440
1.510	4.520	.22290	-.01170	.16310	.11470	.00230	.00010	.00010	.00000	3.39780	3.70690
1.510	5.130	.25090	-.01620	.16180	.11260	.00170	.00010	.00000	.00000	3.31930	3.63860
1.510	5.720	.27980	-.02110	.16130	.11170	.00130	.00020	-.00010	.00000	3.30360	3.60830
1.510	6.310	.31090	-.02580	.16120	.11120	.00110	.00040	-.00020	.00000	3.31930	3.55520
1.510	6.930	.33910	-.03180	.16000	.10960	.00070	.00030	-.00030	.00000	3.32710	3.42630
1.510	7.540	.37080	-.03590	.15950	.10920	.00050	.00030	-.00040	.00000	3.38210	3.43380
1.510	8.150	.39830	-.04060	.15850	.10770	.00080	.00030	-.00040	.00000	3.29570	3.35040
1.510	8.790	.42810	-.04430	.15760	.10680	.00060	.00020	-.00050	.00000	3.31930	3.33530
1.510	9.420	.45750	-.04820	.15650	.10550	.00060	.00020	-.00050	.00000	3.31930	3.25940
1.510	10.040	.48760	-.05190	.15500	.10470	.00040	.00040	-.00040	-.01000	3.24860	3.16840
1.510	10.670	.51840	-.05500	.15510	.10350	.00030	.00040	-.00060	-.01000	3.29570	3.12290
1.510	11.300	.54680	-.05850	.15370	.10190	.00040	.00020	-.00070	-.01000	3.27220	3.10020
1.510	11.940	.57860	-.06120	.15260	.10090	.00040	.00030	-.00080	-.01000	3.19360	3.10020
1.510	12.580	.60720	-.06440	.15100	.09940	.00050	.00030	-.00080	-.01000	3.16220	3.06220
1.510	13.230	.63770	-.06730	.14930	.09790	.00040	.00050	-.00070	-.01000	3.14650	3.02430
1.510	13.890	.66910	-.07010	.14780	.09660	.00060	.00060	-.00060	-.01000	3.19360	3.02430
1.510	14.530	.69770	-.07220	.14610	.09470	.00050	.00060	-.00050	-.01000	3.18580	3.01670
1.510	15.170	.72910	-.07440	.14520	.09350	.00030	.00040	-.00060	-.01000	3.16220	3.00920
1.510	15.830	.75790	-.07660	.14340	.09130	.00030	.00050	-.00060	-.01000	3.11510	2.95610
1.510	16.430	.79100	-.07860	.14280	.09020	.00050	.00030	-.00060	-.01000	3.12300	2.91810
1.510	17.120	.81750	-.08050	.14150	.08810	.00050	.00040	-.00060	-.01000	3.11510	2.93330
1.510	17.740	.84910	-.08240	.14120	.08730	.00120	.00040	-.00040	-.01000	3.06010	2.89540
1.510	18.380	.88060	-.08400	.14090	.08680	.00090	.00030	-.00050	-.01000	3.01300	2.95610
1.510	19.040	.90910	-.08460	.13970	.08520	.00110	.00020	-.00040	-.01000	3.01300	2.90300
1.510	19.650	.93550	-.08680	.13900	.08410	.00100	.00020	-.00050	-.01000	3.03660	2.91810
1.510	20.200	.96200	-.08860	.13780	.08290	.00080	.00020	-.00050	-.01000	2.98950	2.91810
1.510	20.660	.98540	-.08950	.13670	.08190	.00120	.00010	-.00050	-.01000	2.95020	2.94090
1.510	21.050	1.00460	-.09060	.13500	.08120	.00100	.00010	-.00030	-.01000	2.93450	2.93330
1.510	21.360	1.01750	-.09160	.13570	.08080	.00090	.00000	-.00030	-.01000	2.97380	2.88020
1.510	21.630	1.03130	-.09250	.13460	.07980	.00090	.00020	-.00030	-.02000	3.01300	2.97120

LA67 (LTV 552) ORBITER 49-0

(RFDS45)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1097/ 0 RN/L = 8.20

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-.540	-.04070	.01390	.14730	.11560	.00450	-.00040	.00010	.00000	3.26430	3.76750
2.010	-.340	-.03630	.01300	.14670	.11510	.00430	-.00060	.00010	.00000	3.22510	3.68410
2.010	-.120	-.02340	.01100	.14590	.11420	.00440	-.00040	.00010	.00000	3.22510	3.66140
2.010	.180	-.00980	.01000	.14580	.11410	.00370	-.00050	.00010	.00000	3.24080	3.58550
2.010	.610	.00470	.00790	.14490	.11310	.00350	-.00040	.00010	.00000	3.22510	3.55520
2.010	1.130	.02450	.00520	.14440	.11230	.00380	-.00030	.00010	.00000	3.22510	3.48690
2.010	1.660	.04530	.00290	.14380	.11180	.00330	-.00040	.00010	.00000	3.17790	3.42630
2.010	2.230	.06610	.00120	.14320	.11120	.00300	-.00040	.00010	.00000	3.14650	3.37320
2.010	2.810	.08770	-.00110	.14280	.11070	.00320	-.00040	.00020	.00000	3.12300	3.26700
2.010	3.390	.10630	-.00380	.14200	.10970	.00340	-.00030	.00020	.00000	3.09160	3.25940
2.010	3.980	.12850	-.00620	.14100	.10850	.00310	-.00040	.00020	.00000	3.05230	3.16840
2.010	4.560	.14960	-.00860	.14030	.10760	.00270	-.00030	.00020	.00000	2.93450	3.13050
2.010	5.140	.16960	-.01090	.13950	.10650	.00200	-.00030	.00010	.00000	2.84030	3.14570
2.010	5.730	.19180	-.01240	.13900	.10560	.00190	-.00040	.00010	.00000	2.78530	3.12290
2.010	6.330	.21330	-.01470	.13830	.10450	.00190	-.00030	.00020	.00000	2.71460	3.04710
2.010	6.930	.23250	-.01680	.13750	.10320	.00150	-.00020	.00010	.00000	2.71460	3.06980
2.010	7.540	.25720	-.01900	.13710	.10270	.00180	-.00030	.00020	.00000	2.58900	3.00160
2.010	8.170	.27760	-.02130	.13590	.10110	.00190	-.00020	.00010	.00000	2.53400	2.96360
2.010	8.770	.30260	-.02220	.13550	.10060	.00150	-.00030	.00010	.00000	2.52610	2.93330
2.010	9.400	.32340	-.02410	.13410	.09880	.00130	-.00020	.00000	.00000	2.44760	2.95610
2.010	10.030	.34770	-.02540	.13250	.09670	.00160	-.00030	.00010	-.01000	2.45550	2.87260
2.010	10.640	.37260	-.02700	.13180	.09590	.00080	-.00040	.00000	.00000	2.43980	2.87260
2.010	11.300	.39730	-.02800	.13020	.09390	.00150	-.00050	.00000	-.01000	2.40050	2.82710
2.010	11.930	.42190	-.02980	.12890	.09240	.00160	-.00040	.00000	-.01000	2.36120	2.81200
2.010	12.550	.44640	-.03130	.12810	.09170	.00100	-.00050	-.00010	-.01000	2.32980	2.84230
2.010	13.200	.47040	-.03250	.12600	.08940	.00180	-.00040	.00000	-.01000	2.32200	2.75130
2.010	13.840	.49940	-.03420	.12530	.08890	.00080	-.00050	-.00010	-.01000	2.24340	2.78160
2.010	14.480	.52480	-.03530	.12390	.08740	.00080	-.00050	-.00010	-.01000	2.32200	2.73610
2.010	15.140	.54920	-.03670	.12200	.08520	.00170	-.00040	.00000	-.01000	2.28270	2.76650
2.010	15.770	.57540	-.03810	.12090	.08420	.00130	-.00040	-.00010	-.01000	2.25130	2.70580
2.010	16.430	.60230	-.03970	.11950	.08280	.00130	-.00040	-.00010	-.01000	2.28270	2.75130
2.010	17.090	.63010	-.04130	.11850	.08190	.00100	-.00050	-.00010	-.01000	2.21200	2.72860
2.010	17.740	.65760	-.04230	.11750	.08070	.00040	-.00040	-.00020	-.01000	2.26700	2.72100
2.010	18.350	.68450	-.04380	.11670	.07990	.00020	-.00040	-.00030	-.01000	2.22770	2.71340
2.010	18.970	.70990	-.04620	.11540	.07860	.00040	-.00040	-.00040	-.01000	2.26700	2.64510
2.010	19.620	.73280	-.04760	.11390	.07660	.00080	-.00050	-.00030	-.01000	2.20420	2.63750
2.010	20.250	.76420	-.04910	.11360	.07630	.00050	-.00050	-.00030	-.01000	2.20420	2.66790
2.010	20.840	.78430	-.05060	.11230	.07460	.00090	-.00040	-.00010	-.01000	2.20420	2.60720
2.010	21.330	.80890	-.05130	.11180	.07420	.00090	-.00030	-.00020	-.02000	2.24340	2.67550
2.010	21.780	.82560	-.05250	.11050	.07260	.00090	-.00040	-.00010	-.02000	2.20420	2.66790
2.010	22.140	.84190	-.05320	.11050	.07240	.00110	-.00050	.00000	-.02000	2.26700	2.66790
2.010	22.520	.85060	-.05480	.10970	.07160	.00100	-.00050	.00000	-.02000	2.20420	2.66790

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD046)

PARAMETRIC DATA

ELEVON *	5.000	AILRON *	.000
SPDBRK *	55.000	RN/L *	10.000
GRITNO *	.000	RCSPDS *	1.000
BETA *	.000	ALFSWP *	1.000
BOFLAP *	.000	RUDDER *	.000

RUN NO. 86/ 0 RN/L = 10.92

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-.470	-.05130	-.00950	.11450	.09760	.00170	-.00040	.00030	.00000	5.05480	4.47280
2.990	-.030	-.04110	-.00990	.11380	.09680	.00160	-.00030	.00030	.00000	5.05480	4.51830
2.990	.970	-.01630	-.01010	.11230	.09500	.00140	-.00030	.00040	.00000	5.13330	4.48800
2.990	1.830	.00840	-.01010	.11130	.09390	.00090	-.00030	.00030	.00000	5.10190	4.42730
2.990	2.640	.02720	-.01050	.11020	.09290	.00110	-.00030	.00050	.00000	5.07840	4.47280
2.990	3.440	.04670	-.01050	.10880	.09150	.00110	-.00010	.00040	.00000	5.04690	4.43490
2.990	4.250	.06960	-.01130	.10760	.09000	.00110	-.00020	.00040	.00000	5.04690	4.41970
2.990	5.060	.09300	-.01180	.10560	.08800	.00060	-.00010	.00040	.00000	4.99200	4.38180
2.990	5.870	.11500	-.01320	.10410	.08640	.00080	-.00010	.00050	.00000	5.03120	4.38180
2.990	6.680	.13940	-.01430	.10280	.08500	.00060	-.00010	.00050	.00000	4.99200	4.40460
2.990	7.510	.16420	-.01450	.10150	.08370	.00000	.00000	.00040	.00000	4.92920	4.32120
2.990	8.320	.19070	-.01520	.10070	.08280	-.00010	-.00020	.00050	.00000	4.88990	4.27560
2.990	9.140	.21630	-.01560	.09960	.08160	-.00060	-.00000	.00040	.00000	4.85060	4.23010
2.990	9.960	.24060	-.01690	.09860	.08050	-.00080	-.00010	.00040	.00000	4.84280	4.19220
2.990	10.770	.26910	-.01810	.09790	.07990	-.00100	-.00010	.00030	-.01000	4.73280	4.14670
2.990	11.570	.29190	-.01950	.09750	.07920	-.00080	-.00020	.00030	-.01000	4.70140	4.15430
2.990	12.390	.31880	-.02090	.09670	.07830	-.00110	-.00010	.00020	-.01000	4.62290	4.09360
2.990	13.220	.34430	-.02270	.09600	.07730	-.00080	-.00010	.00020	-.01000	4.55220	4.06330
2.990	14.030	.37340	-.02430	.09530	.07640	-.00080	-.00010	.00030	-.01000	4.48150	4.04050
2.990	14.850	.40360	-.02540	.09440	.07540	-.00090	-.00030	.00020	-.01000	4.41870	3.96470
2.990	15.680	.43170	-.02750	.09370	.07440	-.00090	-.00020	.00030	-.01000	4.37940	3.96470
2.990	16.500	.46160	-.02940	.09260	.07320	-.00170	-.00010	.00010	-.01000	4.29310	3.86610
2.990	17.350	.49140	-.03150	.09160	.07210	-.00130	-.00020	.00020	-.01000	4.25380	3.81300
2.990	18.170	.52190	-.03280	.09060	.07090	-.00190	-.00030	.00010	-.01000	4.19880	3.75240
2.990	19.010	.55000	-.03460	.08910	.06920	-.00180	-.00040	.00020	-.01000	4.11240	3.75240
2.990	19.830	.58100	-.03630	.08760	.06780	-.00250	-.00030	.00000	-.01000	4.04960	3.63100
2.990	20.680	.61340	-.03780	.08620	.06620	-.00260	-.00030	.00000	-.01000	3.97110	3.60830
2.990	21.490	.64420	-.03960	.08530	.06540	-.00240	-.00020	.00010	-.01000	3.80620	3.52490
2.990	22.330	.67630	-.04080	.08400	.06400	-.00280	-.00030	.00000	-.01000	3.75910	3.45660
2.990	23.150	.70950	-.04350	.08330	.06340	-.00260	-.00030	.00010	-.02000	3.62560	3.38830
2.990	23.990	.74380	-.04580	.08200	.06190	-.00300	-.00020	.00010	-.02000	3.57840	3.29730
2.990	24.800	.77800	-.04750	.08130	.06130	-.00350	-.00030	.00000	-.02000	3.55490	3.26700
2.990	25.640	.81060	-.04990	.08050	.06040	-.00350	-.00030	.00010	-.02000	3.51560	3.16840
2.990	26.450	.84710	-.05250	.07970	.05970	-.00350	-.00030	.00010	-.02000	3.38210	3.11530
2.990	27.270	.88090	-.05420	.07870	.05870	-.00430	-.00010	.00020	-.02000	3.31140	3.10770
2.990	28.080	.91650	-.05700	.07720	.05730	-.00420	-.00020	.00020	-.02000	3.23290	3.04710
2.990	28.900	.95220	-.05990	.07580	.05590	-.00430	-.00020	.00030	-.02000	3.20150	3.00160
2.990	29.720	.98820	-.06260	.07450	.05450	-.00430	-.00030	.00030	-.02000	3.18580	2.94090
2.990	30.540	1.02260	-.06440	.07310	.05310	-.00450	-.00020	.00010	-.02000	3.28790	2.91810
2.990	31.330	1.05840	-.06800	.07230	.05260	-.00430	-.00040	.00010	-.02000	3.28000	2.80440
2.990	32.150	1.09400	-.07000	.07110	.05120	-.00440	-.00020	.00000	-.02000	3.28790	2.81200
2.990	32.940	1.12790	-.07310	.07020	.05030	-.00490	.00010	-.00030	-.02000	3.28790	2.75850

LA67 (LTV 552) ORBITER 49-0

(RFD046)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 86/ 0 RN/L = 10.92

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	33.700	1.16300	-.07580	.06930	.04970	-.00570	.00050	-.00060	-.03000	3.17790	2.66030
2.990	34.440	1.19750	-.07810	.06840	.04880	-.00610	.00070	-.00090	-.03000	3.15440	2.63750
2.990	34.930	1.21720	-.07980	.06800	.04830	-.00570	.00070	-.00090	-.03000	3.17790	2.58450

LA67 (LTV 552) ORBITER 49-0

(RFDO47)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 84/ 0 RN/L = 14.96

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-.470	-.06100	-.01290	.09430	.08930	.00150	.00060	.00050	.00000	4.47370	4.24530
4.591	.040	-.05180	-.01240	.09270	.08790	.00260	.00060	.00040	.00000	4.53650	4.23770
4.591	1.040	-.03030	-.01320	.08980	.08470	.00220	.00050	.00030	.00000	4.47370	4.27560
4.591	1.890	-.01200	-.01280	.08810	.08320	.00240	.00040	.00030	.00000	4.51290	4.26050
4.591	2.690	.00310	-.01230	.08660	.08150	.00180	.00040	.00040	.00000	4.48940	4.21500
4.591	3.470	.01870	-.01360	.08530	.08010	.00120	.00040	.00030	.00000	4.48150	4.25290
4.591	4.290	.03580	-.01250	.08390	.07880	.00120	.00030	.00030	.00000	4.50510	4.19980
4.591	5.090	.05490	-.01360	.08230	.07710	.00070	.00030	.00020	.00000	4.45010	4.23770
4.591	5.890	.07350	-.01400	.08070	.07560	.00010	.00010	.00010	.00000	4.41090	4.21500
4.591	6.690	.09360	-.01400	.07960	.07430	-.00010	.00010	.00000	.00000	4.45010	4.19980
4.591	7.500	.11180	-.01370	.07920	.07380	-.00030	.00010	.00000	.00000	4.37940	4.19220
4.591	8.300	.13220	-.01350	.07860	.07320	.00000	.00020	.00010	-.01000	4.39520	4.13910
4.591	9.110	.15320	-.01340	.07810	.07240	.00010	.00030	.00000	-.01000	4.34020	4.10880
4.591	9.920	.17380	-.01300	.07750	.07200	-.00070	.00020	.00000	-.01000	4.33230	4.11640
4.591	10.730	.19690	-.01360	.07670	.07100	-.00020	.00000	.00000	-.01000	4.33230	4.09360
4.591	11.540	.21940	-.01380	.07620	.07040	-.00050	.00010	.00000	-.01000	4.35590	4.08610
4.591	12.370	.24280	-.01410	.07560	.06990	-.00070	.00000	-.00010	-.01000	4.27740	4.07090
4.591	13.180	.26680	-.01570	.07500	.06920	-.00100	.00000	-.00020	-.01000	4.31660	3.99500
4.591	13.980	.29000	-.01630	.07420	.06850	-.00100	.00000	-.00010	-.01000	4.21450	4.01020
4.591	14.800	.31480	-.01700	.07360	.06780	-.00120	.00010	-.00020	-.01000	4.19100	3.97990
4.591	15.610	.33980	-.01900	.07270	.06690	-.00130	.00000	-.00030	-.01000	4.14390	3.90400
4.591	16.430	.36520	-.01910	.07230	.06640	-.00140	.00000	-.00040	-.01000	4.04960	3.86610
4.591	17.250	.39370	-.01980	.07170	.06590	-.00130	.00000	-.00030	-.01000	4.01040	3.82820
4.591	18.080	.42040	-.01980	.07120	.06540	-.00130	.00000	-.00030	-.02000	3.89260	3.78270
4.591	18.910	.44970	-.02040	.07090	.06510	-.00130	.00000	-.00040	-.02000	3.77480	3.74480
4.591	19.720	.47900	-.02130	.07050	.06470	-.00140	.00000	-.00030	-.02000	3.71980	3.67650
4.591	20.540	.50750	-.02230	.06990	.06390	-.00180	-.00010	-.00050	-.02000	3.68050	3.70690
4.591	21.380	.53700	-.02360	.06940	.06340	-.00200	-.00010	-.00060	-.02000	3.59410	3.63100
4.591	22.190	.56660	-.02390	.06920	.06330	-.00210	.00000	-.00050	-.02000	3.54700	3.57040
4.591	23.010	.59650	-.02490	.06900	.06300	-.00220	-.00010	-.00060	-.02000	3.49210	3.55520
4.591	23.830	.63010	-.02550	.06890	.06310	-.00220	.00000	-.00060	-.02000	3.36640	3.46420
4.591	24.650	.66040	-.02740	.06860	.06270	-.00220	-.00020	-.00070	-.02000	3.31930	3.44900
4.591	25.480	.69210	-.02810	.06840	.06220	-.00220	-.00030	-.00070	-.02000	3.25650	3.40350
4.591	26.280	.72470	-.03020	.06840	.06220	-.00200	-.00020	-.00070	-.02000	3.22500	3.35800
4.591	27.100	.75720	-.03070	.06790	.06200	-.00250	.00000	-.00080	-.02000	3.17010	3.21390
4.591	27.920	.78970	-.03260	.06780	.06180	-.00250	.00000	-.00080	-.02000	3.13870	3.14570
4.591	28.720	.82490	-.03490	.06740	.06130	-.00240	.00000	-.00090	-.02000	3.09150	3.13810
4.591	29.540	.85820	-.03690	.06680	.06070	-.00260	-.00010	-.00110	-.03000	3.15440	3.06980
4.591	30.330	.89160	-.03710	.06630	.06030	-.00240	-.00010	-.00110	-.03000	3.11510	3.03950
4.591	31.130	.92700	-.04060	.06580	.05950	-.00280	.00020	-.00140	-.03000	3.12300	2.96360
4.591	31.920	.96010	-.04390	.06540	.05930	-.00260	.00000	-.00140	-.03000	3.09940	2.93330
4.591	32.710	.99320	-.04620	.06490	.05890	-.00210	-.00010	-.00120	-.03000	3.06010	2.88020

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD047)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 84/ 0 RN/L = 14.96

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	33.470	1.02800	-.04860	.06450	.05820	-.00180	-.00030	-.00120	-.03000	3.02870	2.81960
4.591	34.210	1.05960	-.05080	.06420	.05800	-.00160	-.00030	-.00120	-.03000	2.94230	2.72860
4.591	34.680	1.08060	-.05220	.06400	.05800	-.00160	-.00040	-.00130	-.03000	2.80880	2.66790

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD049)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 126/ 0 RN/L = 8.07

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-1.960	-.08530	.03790	.17440	.20870	-.01890	.00160	-.00130	1.05000	4.76420	5.09470
1.510	-1.400	-.06000	.03280	.17430	.20900	-.01870	.00170	-.00150	1.05000	4.76420	5.07950
1.510	-.610	-.02090	.02610	.17330	.20790	-.01810	.00150	-.00150	1.05000	4.72500	4.95060
1.510	.050	.01550	.02050	.17370	.20900	-.01840	.00140	-.00160	1.05000	4.71710	4.90510
1.510	.700	.04780	.01390	.17170	.20650	-.01760	.00130	-.00160	1.05000	4.62290	4.86720
1.510	1.310	.07770	.00960	.17100	.20630	-.01760	.00100	-.00160	1.05000	4.55220	4.78380
1.510	1.860	.10520	.00450	.17000	.20540	-.01700	.00100	-.00160	1.04000	4.45800	4.78380
1.510	2.450	.13380	.00000	.16870	.20410	-.01700	.00080	-.00170	1.04000	4.35590	4.68520
1.510	3.030	.16400	-.00360	.16830	.20420	-.01710	.00070	-.00180	1.04000	4.26950	4.54870
1.510	3.630	.19180	-.00840	.16690	.20230	-.01620	.00060	-.00180	1.04000	4.19880	4.51070
1.510	4.220	.22120	-.01230	.16660	.20270	-.01640	.00050	-.00200	1.04000	4.15960	4.41970
1.510	4.900	.25010	-.01650	.16550	.20180	-.01620	.00050	-.00210	1.04000	4.01820	4.36670
1.510	5.410	.27730	-.02230	.16400	.20000	-.01540	.00050	-.00210	1.04000	3.94750	4.35910
1.510	5.990	.30580	-.02590	.16300	.19900	-.01570	.00050	-.00230	1.04000	3.81400	4.23010
1.510	6.590	.33630	-.03090	.16290	.19930	-.01560	.00040	-.00230	1.04000	3.66480	4.17710
1.510	7.180	.36430	-.03510	.16180	.19830	-.01600	.00050	-.00240	1.04000	3.53920	4.10120
1.510	7.770	.39130	-.03990	.16070	.19720	-.01520	.00060	-.00220	1.04000	3.49210	4.07090
1.510	8.370	.42250	-.04470	.16000	.19670	-.01550	.00040	-.00230	1.04000	3.44490	4.03300
1.510	8.960	.44850	-.04830	.15820	.19430	-.01570	.00080	-.00230	1.04000	3.33500	3.91920
1.510	9.570	.47740	-.05130	.15790	.19400	-.01550	.00050	-.00220	1.04000	3.31930	3.82820
1.510	10.150	.50580	-.05490	.15770	.19410	-.01580	.00030	-.00200	1.04000	3.31930	3.75990
1.510	10.730	.53210	-.05810	.15600	.19210	-.01550	.00050	-.00190	1.04000	3.33500	3.75240
1.510	11.320	.56100	-.05940	.15570	.19220	-.01600	.00020	-.00190	1.04000	3.23290	3.65380
1.510	11.920	.58960	-.06240	.15360	.18970	-.01560	.00030	-.00190	1.04000	3.28000	3.63100
1.510	12.510	.61400	-.06400	.15170	.18740	-.01610	.00030	-.00210	1.04000	3.24860	3.53240
1.510	13.090	.64370	-.06690	.15120	.18750	-.01610	.00020	-.00230	1.04000	3.19360	3.47930
1.510	13.680	.66940	-.06850	.14890	.18500	-.01630	.00020	-.00260	1.04000	3.22510	3.41870
1.510	14.260	.69790	-.07100	.14790	.18490	-.01600	.00020	-.00260	1.04000	3.09160	3.34280
1.510	14.840	.72190	-.07250	.14640	.18300	-.01570	.00010	-.00260	1.04000	3.06010	3.25940
1.510	15.430	.75210	-.07470	.14580	.18280	-.01550	.00000	-.00270	1.04000	2.93450	3.23670
1.510	16.040	.77790	-.07560	.14490	.18120	-.01530	.00000	-.00280	1.04000	2.85600	3.15320
1.510	16.600	.80580	-.07730	.14480	.18140	-.01500	-.00020	-.00270	1.04000	2.75390	3.10020
1.510	17.210	.83190	-.07800	.14370	.17960	-.01510	-.00040	-.00260	1.04000	2.62040	3.04710
1.510	17.780	.86210	-.07990	.14340	.17930	-.01490	-.00040	-.00230	1.04000	2.55750	3.03950
1.510	18.360	.88440	-.08170	.14210	.17710	-.01470	-.00080	-.00230	1.04000	2.41620	3.01670
1.510	18.940	.91200	-.08280	.14180	.17720	-.01430	-.00090	-.00220	1.04000	2.44760	2.89540
1.510	19.530	.93950	-.08430	.14040	.17570	-.01390	-.00120	-.00240	1.04000	2.40830	2.91810
1.510	20.120	.96510	-.08600	.13910	.17410	-.01350	-.00150	-.00260	1.03000	2.36910	2.82710
1.510	20.680	.99090	-.08650	.13790	.17260	-.01290	-.00150	-.00260	1.03000	2.32200	2.77410
1.510	21.250	1.02330	-.08940	.13690	.17230	-.01260	-.00180	-.00270	1.03000	2.33770	2.77410
1.510	21.820	1.04850	-.08980	.13550	.17080	-.01240	-.00200	-.00250	1.03000	2.24340	2.70580
1.510	22.360	1.07200	-.08990	.13420	.17000	-.01220	-.00220	-.00250	1.03000	2.23560	2.63750

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFDD048)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 126/ 0 RN/L = 8.07

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	22.920	1.09190	-.08990	.13260	.16800	-.01180	-.00280	-.00260	1.03000	2.20420	2.63750
1.510	23.390	1.11780	-.09040	.13210	.16800	-.01150	-.00310	-.00250	1.03000	2.10210	2.62240
1.510	23.690	1.12980	-.09040	.13150	.16690	-.01160	-.00340	-.00240	1.03000	2.09420	2.56170

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD048)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 128/ 0 RN/L = 8.22

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-2.020	-.08820	.01300	.15160	.21630	-.01910	.00090	-.00130	1.05000	5.62020	6.59630
2.010	-1.490	-.06910	.01070	.15100	.21610	-.01900	.00080	-.00140	1.05000	5.56520	6.58110
2.010	-.730	-.03910	.00760	.15000	.21500	-.01880	.00090	-.00150	1.05000	5.57310	6.55840
2.010	-.090	-.01270	.00360	.14950	.21470	-.01810	.00090	-.00130	1.05000	5.59670	6.52050
2.010	.520	.01070	.00070	.14900	.21420	-.01800	.00090	-.00130	1.05000	5.56520	6.50530
2.010	1.090	.03350	-.00160	.14790	.21310	-.01820	.00080	-.00130	1.05000	5.54950	6.43700
2.010	1.620	.05440	-.00360	.14770	.21340	-.01760	.00060	-.00110	1.05000	5.57310	6.44460
2.010	2.190	.07660	-.00640	.14690	.21290	-.01780	.00050	-.00120	1.05000	5.50240	6.39150
2.010	2.740	.09780	-.00950	.14610	.21200	-.01740	.00050	-.00110	1.05000	5.35320	6.36120
2.010	3.310	.11820	-.01170	.14510	.21100	-.01700	.00030	-.00110	1.04000	5.36890	6.33840
2.010	3.880	.13950	-.01380	.14480	.21100	-.01640	.00020	-.00100	1.04000	5.28250	6.30810
2.010	4.440	.16200	-.01660	.14380	.20990	-.01630	.00020	-.00110	1.04000	5.22760	6.20950
2.010	5.020	.18340	-.01920	.14260	.20840	-.01620	.00020	-.00120	1.04000	5.25110	6.15640
2.010	5.580	.20470	-.02120	.14220	.20820	-.01600	.00000	-.00110	1.04000	5.13330	6.12610
2.010	6.150	.22600	-.02330	.14120	.20710	-.01600	.00000	-.00110	1.04000	5.14900	6.08050
2.010	6.730	.24540	-.02520	.14040	.20630	-.01530	-.00010	-.00100	1.04000	5.03120	6.08820
2.010	7.290	.26680	-.02680	.13980	.20570	-.01530	-.00020	-.00110	1.04000	5.00770	5.97440
2.010	7.850	.28570	-.02890	.13850	.20430	-.01530	-.00010	-.00120	1.04000	4.96840	5.89100
2.010	8.410	.30800	-.02990	.13810	.20420	-.01570	-.00020	-.00130	1.04000	4.87420	5.74690
2.010	8.930	.32750	-.03180	.13630	.20210	-.01480	-.00130	-.00130	1.04000	4.89770	5.69380
2.010	9.570	.34920	-.03320	.13540	.20140	-.01490	-.00030	-.00140	1.04000	4.85060	5.64070
2.010	10.130	.37280	-.03470	.13470	.20100	-.01490	-.00050	-.00140	1.04000	4.74850	5.55730
2.010	10.720	.39680	-.03580	.13380	.20020	-.01490	-.00050	-.00150	1.04000	4.74850	5.48150
2.010	11.280	.41670	-.03730	.13190	.19810	-.01490	-.00040	-.00160	1.04000	4.70930	5.46630
2.010	11.850	.43970	-.03810	.13090	.19720	-.01510	-.00050	-.00170	1.04000	4.69360	5.39800
2.010	12.430	.46340	-.03920	.12970	.19500	-.01500	-.00060	-.00170	1.04000	4.63070	5.33740
2.010	13.000	.48870	-.04030	.12910	.19560	-.01450	-.00070	-.00170	1.03000	4.55220	5.29950
2.010	13.570	.51130	-.04150	.12790	.19440	-.01470	-.00080	-.00180	1.04000	4.52060	5.24640
2.010	14.140	.53420	-.04270	.12690	.19320	-.01420	-.00100	-.00180	1.03000	4.48940	5.26150
2.010	14.730	.55820	-.04370	.12600	.19220	-.01360	-.00130	-.00180	1.03000	4.44230	5.19330
2.010	15.300	.58000	-.04470	.12490	.19100	-.01310	-.00140	-.00190	1.03000	4.35590	5.22360
2.010	15.850	.60380	-.04600	.12380	.18990	-.01350	-.00150	-.00210	1.03000	4.33230	5.12500
2.010	16.430	.62860	-.04730	.12290	.18890	-.01300	-.00160	-.00210	1.03000	4.26950	5.09470
2.010	16.980	.64760	-.04870	.12140	.18710	-.01280	-.00160	-.00230	1.03000	4.22240	5.11740
2.010	17.550	.67220	-.05050	.12050	.18630	-.01280	-.00170	-.00230	1.03000	4.15960	5.01890
2.010	18.120	.69840	-.05200	.12010	.18630	-.01220	-.00190	-.00220	1.03000	4.15960	4.99850
2.010	18.690	.71970	-.05350	.11880	.18490	-.01150	-.00200	-.00210	1.03000	4.02610	4.93580
2.010	19.250	.74540	-.05450	.11840	.18480	-.01170	-.00230	-.00210	1.03000	4.00250	4.89750
2.010	19.800	.76540	-.05510	.11760	.18310	-.01090	-.00240	-.00210	1.03000	3.93970	4.89750
2.010	20.380	.78770	-.05730	.11600	.18180	-.01030	-.00250	-.00190	1.02000	3.87680	4.82170
2.010	20.920	.81560	-.05900	.11570	.18210	-.01030	-.00290	-.00190	1.02000	3.81400	4.74580
2.010	21.470	.84080	-.06030	.11490	.18100	-.01000	-.00300	-.00180	1.02000	3.79830	4.63210

LA67 (LTV 552) ORBITER 49-0

(RFD048)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 128/ 0 RN/L = 8.22

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	22.010	.86340	-.06190	.11370	.17930	-.01010	-.00320	-.00180	1.02000	3.74330	4.54870
2.010	23.540	.89300	-.06380	.11250	.17780	-.00940	-.00340	-.00160	1.02000	3.68050	4.55620
2.010	23.010	.90570	-.06500	.11180	.17710	-.00910	-.00360	-.00150	1.02000	3.64130	4.52590
2.010	23.340	.91970	-.06620	.11090	.17570	-.00880	-.00360	-.00150	1.02000	3.57840	4.45770

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD548)

PARAMETRIC DATA

ELEVON *	5.000	AILRON *	.000
SPOBRK *	55.000	RN/L *	8.000
GRITNO *	.000	RCSPOS *	1.000
BETA *	1.000	ALFSWP *	2.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 1126/ 0 RN/L = 8.02

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CEL	BETA	ELVN-L	ELVN-R
1.510	.020	.01090	.02310	.17250	.21240	-.01820	.00140	-.00180	1.05000	3.39780	3.97230
1.510	.240	.02210	.02100	.17190	.21140	-.01810	.00130	-.00180	1.05000	3.37430	3.92680
1.510	.480	.03580	.01830	.17180	.21140	-.01800	.00130	-.00180	1.05000	3.32710	3.89650
1.510	.840	.05540	.01560	.17150	.21100	-.01790	.00130	-.00180	1.04000	3.35860	3.85850
1.510	1.300	.07830	.01150	.17050	.20980	-.01760	.00110	-.00190	1.04000	3.33500	3.78270
1.510	1.860	.10700	.00720	.16930	.20850	-.01750	.00110	-.00190	1.04000	3.28000	3.75990
1.510	2.470	.13660	.00270	.16840	.20760	-.01720	.00080	-.00200	1.04000	3.26430	3.67650
1.510	3.110	.16800	-.00240	.16700	.20590	-.01690	.00070	-.00210	1.04000	3.31140	3.60070
1.510	3.760	.19860	-.00680	.16590	.20490	-.01680	.00060	-.00220	1.04000	3.20150	3.54760
1.510	4.410	.23010	-.01130	.16440	.20280	-.01630	.00060	-.00220	1.04000	3.18580	3.47180
1.510	5.050	.26000	-.01610	.16320	.20170	-.01610	.00050	-.00230	1.04000	3.18580	3.37320
1.510	5.700	.29090	-.02160	.16250	.20110	-.01610	.00040	-.00240	1.04000	3.13970	3.28980
1.510	6.350	.32320	-.02620	.16140	.19920	-.01600	.00070	-.00230	1.04000	3.02970	3.27460
1.510	7.020	.35380	-.03170	.16080	.19870	-.01600	.00050	-.00240	1.04000	2.90310	3.15320
1.510	7.680	.38670	-.03590	.15990	.19760	-.01600	.00060	-.00230	1.04000	2.80880	3.15320
1.510	8.340	.42110	-.04100	.15920	.19700	-.01600	.00060	-.00230	1.04000	2.68320	3.10770
1.510	8.990	.45210	-.04620	.15810	.19600	-.01600	.00050	-.00240	1.04000	2.55750	3.04710
1.510	9.650	.48340	-.05050	.15690	.19480	-.01610	.00040	-.00240	1.04000	2.55750	2.96360
1.510	10.330	.51630	-.05420	.15600	.19380	-.01630	.00040	-.00220	1.04000	2.47900	2.93330
1.510	11.020	.54680	-.05720	.15440	.19200	-.01620	.00030	-.00200	1.04000	2.33770	2.91810
1.510	11.690	.57990	-.05940	.15330	.19100	-.01630	.00040	-.00200	1.04000	2.35340	2.91810
1.510	12.370	.61100	-.06200	.15160	.18920	-.01620	.00030	-.00210	1.04000	2.32980	2.82710
1.510	13.070	.64090	-.06540	.14930	.18650	-.01630	.00020	-.00230	1.04000	2.25130	2.79680
1.510	13.760	.67650	-.06740	.14810	.18500	-.01670	.00030	-.00250	1.04000	2.25130	2.79680
1.510	14.440	.70810	-.07010	.14690	.18450	-.01630	.00020	-.00250	1.04000	2.24340	2.71340
1.510	15.160	.73920	-.07270	.14520	.18210	-.01590	.00000	-.00270	1.04000	2.23560	2.73610
1.510	15.830	.77070	-.07490	.14450	.18170	-.01560	-.00020	-.00270	1.04000	2.22770	2.66790
1.510	16.520	.80670	-.07650	.14400	.18100	-.01520	-.00020	-.00260	1.04000	2.19630	2.69820
1.510	17.220	.83480	-.07830	.14290	.17910	-.01470	-.00040	-.00250	1.04000	2.18060	2.62240
1.510	17.940	.87120	-.08010	.14220	.17870	-.01440	-.00050	-.00230	1.04000	2.17270	2.60720
1.510	18.630	.90480	-.08220	.14140	.17790	-.01400	-.00070	-.00220	1.03000	2.14130	2.63750
1.510	19.310	.93440	-.08400	.14000	.17630	-.01340	-.00100	-.00220	1.03000	2.14130	2.56930
1.510	20.020	.96680	-.08570	.13840	.17440	-.01290	-.00130	-.00240	1.03000	2.07850	2.59200
1.510	20.730	.99780	-.08680	.13690	.17260	-.01270	-.00160	-.00260	1.03000	2.11780	2.53140
1.510	21.410	1.03340	-.08860	.13530	.17220	-.01200	-.00180	-.00260	1.03000	2.10210	2.58450
1.510	22.040	1.05950	-.08940	.13460	.17090	-.01180	-.00220	-.00250	1.03000	2.10210	2.53140
1.510	22.590	1.08460	-.09040	.13360	.16980	-.01160	-.00260	-.00260	1.03000	2.12560	2.54650
1.510	23.060	1.10650	-.09000	.13320	.16920	-.01110	-.00270	-.00240	1.03000	2.10210	2.56930
1.510	23.410	1.12070	-.09000	.13270	.16860	-.01080	-.00300	-.00240	1.03000	2.09420	2.53900
1.510	23.720	1.13030	-.09100	.13090	.16620	-.01100	-.00340	-.00240	1.03000	2.05490	2.57690

LA67 (LTV 552) ORBITER 49-0

(RFD548)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1128/ 0 RN/L = 8.20

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-2.040	-.08990	.01550	.15140	.21870	-.01990	.00080	-.00140	1.05000	5.14120	5.83030
2.010	-1.780	-.08120	.01420	.15080	.21780	-.01920	.00080	-.00130	1.05000	5.10190	5.74690
2.010	-1.530	-.06920	.01220	.15060	.21760	-.01960	.00090	-.00140	1.05000	5.00770	5.64830
2.010	-1.150	-.05360	.01040	.14980	.21660	-.01930	.00090	-.00140	1.05000	5.03910	5.56490
2.010	-.660	-.03520	.00850	.14960	.21660	-.01940	.00090	-.00140	1.05000	4.89770	5.53460
2.010	-.080	-.01180	.00610	.14910	.21610	-.01870	.00090	-.00130	1.05000	4.88200	5.44360
2.010	.530	.01110	.00220	.14770	.21430	-.01830	.00090	-.00130	1.05000	4.76420	5.42080
2.010	1.140	.03760	-.00010	.14730	.21390	-.01840	.00080	-.00130	1.05000	4.67790	5.29190
2.010	1.790	.05950	-.00300	.14620	.21260	-.01750	.00070	-.00110	1.04000	4.54440	5.32220
2.010	2.410	.08530	-.00540	.14540	.21170	-.01770	.00050	-.00120	1.05000	4.53650	5.23120
2.010	3.060	.10940	-.00900	.14450	.21070	-.01730	.00040	-.00110	1.04000	4.34800	5.17810
2.010	3.700	.13370	-.01180	.14340	.20950	-.01700	.00040	-.00120	1.04000	4.33230	5.14020
2.010	4.360	.15650	-.01450	.14240	.20820	-.01620	.00030	-.00110	1.04000	4.18310	5.15540
2.010	5.000	.18210	-.01730	.14200	.20820	-.01610	.00010	-.00110	1.04000	4.18310	5.10990
2.010	5.640	.20680	-.01910	.14120	.20720	-.01620	.00000	-.00120	1.04000	4.14380	5.05680
2.010	6.300	.23170	-.02210	.14020	.20620	-.01600	.00000	-.00120	1.04000	4.06530	5.01890
2.010	6.950	.25430	-.02400	.13950	.20540	-.01590	-.00010	-.00110	1.04000	4.01030	5.02640
2.010	7.610	.27780	-.02610	.13860	.20450	-.01560	-.00020	-.00110	1.04000	3.95540	4.99610
2.010	8.260	.30320	-.02820	.13720	.20300	-.01590	-.00020	-.00130	1.04000	3.98680	4.91270
2.010	8.930	.32660	-.03040	.13510	.20190	-.01520	-.00020	-.00130	1.04000	3.91610	4.93540
2.010	9.580	.35250	-.03210	.13480	.20050	-.01570	-.00030	-.00150	1.04000	3.90040	4.85960
2.010	10.260	.37870	-.03310	.13380	.19960	-.01530	-.00040	-.00150	1.04000	3.82970	4.84440
2.010	10.930	.40590	-.03500	.13260	.19830	-.01560	-.00040	-.00160	1.04000	3.82970	4.76860
2.010	11.610	.43230	-.03710	.13120	.19680	-.01500	-.00050	-.00160	1.04000	3.79050	4.78380
2.010	12.290	.45910	-.03770	.12970	.19530	-.01480	-.00060	-.00160	1.04000	3.80620	4.74580
2.010	12.970	.48580	-.04000	.12800	.19350	-.01450	-.00060	-.00170	1.03000	3.71980	4.73830
2.010	13.650	.51550	-.04080	.12680	.19220	-.01460	-.00090	-.00190	1.04000	3.75910	4.65480
2.010	14.350	.54340	-.04200	.12570	.19120	-.01400	-.00110	-.00190	1.03000	3.71980	4.65480
2.010	15.060	.57020	-.04430	.12400	.18920	-.01330	-.00120	-.00190	1.03000	3.71190	4.60930
2.010	15.740	.59810	-.04550	.12280	.18800	-.01310	-.00130	-.00200	1.03000	3.68050	4.57140
2.010	16.430	.62610	-.04730	.12160	.18680	-.01250	-.00150	-.00200	1.03000	3.70410	4.57140
2.010	17.110	.65780	-.04880	.12090	.18630	-.01270	-.00170	-.00220	1.03000	3.66480	4.49560
2.010	17.820	.68810	-.05140	.12000	.18540	-.01210	-.00190	-.00210	1.03000	3.71190	4.49560
2.010	18.510	.71670	-.05320	.11880	.18410	-.01160	-.00200	-.00210	1.03000	3.68050	4.48800
2.010	19.190	.74430	-.05480	.11740	.18220	-.01120	-.00210	-.00210	1.03000	3.71190	4.44250
2.010	19.880	.77490	-.05670	.11660	.18160	-.01070	-.00250	-.00200	1.03000	3.66480	4.44250
2.010	20.590	.80390	-.05890	.11590	.18090	-.00980	-.00260	-.00190	1.02000	3.75120	4.48040
2.010	21.260	.83280	-.05970	.11490	.17970	-.00970	-.00290	-.00180	1.02000	3.67270	4.45770
2.010	21.880	.85840	-.06230	.11350	.17800	-.00960	-.00300	-.00180	1.02000	3.67270	4.40460
2.010	22.410	.88370	-.06330	.11310	.17790	-.00910	-.00330	-.00160	1.02000	3.71980	4.44250
2.010	22.870	.90400	-.05500	.11220	.17690	-.00890	-.00350	-.00150	1.02000	3.63340	4.38940
2.010	23.190	.91490	-.06550	.11150	.17590	-.00910	-.00350	-.00160	1.02000	3.65700	4.41970

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD548)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1128/ 0 RN/L = 8.20

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	23.430	.92720	-.06650	.11080	.17560	-.00910	-.00380	-.00160	1.02000	3.62560	4.40460

LA67 (LTV 552) ORBITER 49-0

(RFD049)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
SDFLAP =	.000	RUDDER =	.000

RUN NO. 113/ 0 RN/L = 8.06

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	.330	.02980	.03910	.16980	.12310	.00250	-.00020	.00180	.00000	2.07070	-.42620
1.510	.150	-.00560	.03520	.16950	.12280	.00280	-.00010	.00190	.00000	2.12560	-.43380
1.510	.830	.02770	.03010	.16800	.12080	.00260	.00000	.00190	.00000	2.07850	-.44140
1.510	1.410	.05560	.02540	.16720	.11980	.00270	.00000	.00200	.00000	2.09420	-.46410
1.510	1.980	.08220	.02050	.16580	.11840	.00250	-.00010	.00190	.00000	2.02350	-.54000
1.510	2.500	.10800	.01580	.16460	.11750	.00270	.00000	.00190	.00000	2.04710	-.56270
1.510	3.030	.13280	.01220	.16310	.11620	.00250	-.00010	.00180	.00000	2.00780	-.59310
1.510	3.550	.15860	.00980	.16220	.11540	.00230	.00000	.00170	.00000	1.88220	-.68410
1.510	4.060	.18180	.00560	.16130	.11430	.00230	.00000	.00160	.00000	1.70940	-.75230
1.510	4.590	.20540	.00210	.16070	.11390	.00300	.00000	.00160	.00000	1.44240	-.80540
1.510	5.120	.23050	-.00050	.15920	.11200	.00230	.00000	.00140	.00000	1.08120	-.96470
1.510	5.650	.25370	-.00370	.15830	.11060	.00220	.00000	.00140	.00000	.76710	-1.03290
1.510	6.170	.28040	-.00730	.15750	.10970	.00230	.00000	.00140	.00000	.71210	-1.20730
1.510	6.700	.30570	-.01020	.15700	.10880	.00200	.00000	.00150	.00000	.65710	-1.31350
1.510	7.230	.33150	-.01460	.15630	.10780	.00200	.00000	.00150	.00000	.63360	-1.41970
1.510	7.740	.35590	-.01800	.15500	.10760	.00170	.00000	.00150	.00000	.53930	-1.56380
1.510	8.260	.38110	-.02180	.15430	.10610	.00230	.00000	.00160	.00000	.51580	-1.70790
1.510	8.790	.40740	-.02540	.15360	.10540	.00220	.00000	.00150	.00000	.50010	-1.76850
1.510	9.310	.42940	-.02890	.15280	.10430	.00120	.00000	.00150	.00000	.49220	-1.82920
1.510	9.850	.45750	-.03180	.15310	.10410	.00190	.00000	.00110	-.01000	.44510	-1.96570
1.510	10.370	.47940	-.03480	.15200	.10210	.00160	.00000	.00130	-.01000	.32730	-2.04160
1.510	10.890	.50290	-.03630	.15110	.10080	.00160	.00000	.00120	-.01000	.23310	-2.12500
1.510	11.420	.52600	-.03830	.15030	.09990	.00140	.00000	.00100	-.01000	.13880	-2.20840
1.510	11.940	.54760	-.04080	.14860	.09790	.00100	.00000	.00090	-.01000	.06030	-2.28420
1.510	12.470	.57640	-.04350	.14780	.09730	.00140	.00000	.00090	-.01000	.02100	-2.41320
1.510	12.980	.59930	-.04540	.14640	.09590	.00120	.00000	.00100	-.01000	-.07310	-2.51930
1.510	13.530	.62350	-.04750	.14560	.09510	.00130	.00000	.00110	-.01000	-.16730	-2.58760
1.510	14.040	.64690	-.04990	.14420	.09360	.00100	.00010	.00120	-.01000	-.19090	-2.66340
1.510	14.550	.67210	-.05090	.14280	.09180	.00080	.00000	.00130	-.01000	-.28510	-2.70890
1.510	15.100	.69740	-.05260	.14190	.09080	.00140	.00000	.00130	-.01000	-.34010	-2.83030
1.510	15.610	.72110	-.05390	.14070	.08960	.00100	.00000	.00130	-.01000	-.36370	-2.87580
1.510	16.120	.74260	-.05350	.13890	.08750	.00100	.00010	.00140	-.01000	-.45000	-2.87580
1.510	16.650	.76690	-.05620	.13800	.08540	.00090	.00000	.00130	-.01000	-.45790	-2.95160
1.510	17.150	.79100	-.05690	.13700	.08500	.00090	.00000	.00140	-.01000	-.42650	-2.98950
1.510	17.670	.81830	-.05830	.13690	.08450	.00100	.00000	.00120	-.01000	-.56780	-3.05020
1.510	18.180	.84260	-.05960	.13650	.08330	.00070	.00000	.00120	-.01000	-.55210	-3.15640
1.510	18.700	.86720	-.06120	.13540	.08150	.00110	.00000	.00100	-.01000	-.64640	-3.17150
1.510	19.220	.88940	-.06150	.13470	.08060	.00110	.00000	.00100	-.01000	-.66990	-3.26250
1.510	19.700	.91390	-.06350	.13420	.07950	.00160	.00010	.00120	-.01000	-.73280	-3.25500
1.510	20.210	.93770	-.06390	.13260	.07780	.00140	.00000	.00120	-.01000	-.79560	-3.33080
1.510	20.690	.96050	-.06520	.13100	.07660	.00150	.00000	.00130	-.01000	-.94480	-3.38390
1.510	21.170	.98350	-.06620	.13110	.07610	.00190	.00000	.00130	-.02000	-.97620	-3.36870

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RF0049)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPDRK =	55.000	RN/L =	0.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 113/ 0 RN/L = 8.06

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	21.520	.99810	-.06640	.13050	.07500	.00200	-.00010	.00130	-.02000	-.98410	-3.40660

LA67 (LTV 552) ORBITER 49-0

(RFD049)

PARAMETRIC DATA

ELEVON *	.000	AILRON *	2.000
SPDRK *	55.000	RN/L *	8.000
GRITNO *	.000	RCSPDS *	1.000
BETA *	.000	ALFSWP *	1.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 100/ 0 RN/L = 8.36

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	-.480	-.04790	.02020	.14650	.11520	.00500	-.00040	.00230	.00000	3.24860	-.65370
2.010	.000	-.03020	.01800	.14570	.11440	.00440	-.00040	.00230	.00000	3.24080	-.65370
2.010	.710	-.00210	.01550	.14430	.11290	.00410	-.00060	.00230	.00000	3.22510	-.64610
2.010	1.300	.01990	.01180	.14380	.11230	.00410	-.00050	.00220	.00000	3.07580	-.72960
2.010	1.870	.04230	.00960	.14260	.11090	.00400	-.00050	.00220	.00000	2.84810	-.82060
2.010	2.400	.06120	.00720	.14200	.11030	.00400	-.00050	.00210	.00000	2.55750	-.84330
2.010	2.920	.07970	.00540	.14130	.10960	.00370	-.00070	.00220	.00000	2.33770	-1.02530
2.010	3.440	.09750	.00420	.14050	.10870	.00320	-.00060	.00220	.00000	2.23560	-1.25280
2.010	3.950	.11550	.00200	.13970	.10780	.00310	-.00060	.00220	.00000	2.22770	-1.44240
2.010	4.490	.13430	.00030	.13840	.10670	.00300	-.00070	.00230	.00000	2.12560	-1.52590
2.010	5.020	.15300	-.00230	.13730	.10560	.00300	-.00060	.00240	.00000	2.07070	-1.63960
2.010	5.540	.17160	-.00390	.13690	.10500	.00280	-.00070	.00240	.00000	2.01570	-1.79130
2.010	6.080	.19050	-.00620	.13630	.10430	.00260	-.00070	.00240	.00000	1.98430	-1.85200
2.010	6.590	.20980	-.00720	.13590	.10370	.00220	-.00060	.00230	.00000	1.92930	-2.00360
2.010	7.120	.22730	-.00960	.13500	.10260	.00230	-.00070	.00230	.00000	1.77220	-2.01880
2.010	7.640	.24700	-.01030	.13440	.10170	.00180	-.00070	.00220	.00000	1.68590	-2.15530
2.010	8.160	.26510	-.01160	.13360	.10050	.00160	-.00070	.00210	.00000	1.64660	-2.24630
2.010	8.710	.28450	-.01280	.13300	.09950	.00180	-.00070	.00220	.00000	1.55240	-2.31460
2.010	9.230	.30320	-.01420	.13240	.09870	.00180	-.00080	.00220	.00000	1.41100	-2.33730
2.010	9.770	.32460	-.01450	.13160	.09740	.00150	-.00090	.00200	.00000	1.30890	-2.45110
2.010	10.280	.34380	-.01540	.13060	.09610	.00130	-.00090	.00200	.00000	1.19110	-2.50420
2.010	10.820	.36180	-.01700	.12960	.09460	.00170	-.00090	.00210	.00000	1.11260	-2.50420
2.010	11.350	.38230	-.01760	.12850	.09310	.00170	-.00080	.00230	.00000	.90840	-2.61030
2.010	11.870	.40290	-.01840	.12700	.09140	.00160	-.00080	.00230	.00000	.76710	-2.63310
2.010	12.400	.42340	-.01920	.12570	.09000	.00160	-.00080	.00230	-.01000	.72780	-2.70130
2.010	12.930	.44490	-.01920	.12430	.08830	.00140	-.00080	.00230	-.01000	.69640	-2.79990
2.010	13.460	.46540	-.02020	.12350	.08730	.00160	-.00080	.00230	-.01000	.62570	-2.88340
2.010	13.990	.48560	-.02150	.12220	.08580	.00160	-.00090	.00230	-.01000	.64140	-2.88340
2.010	14.520	.50830	-.02220	.12100	.08440	.00170	-.00090	.00230	-.01000	.64140	-3.00470
2.010	15.040	.53000	-.02320	.12020	.08350	.00170	-.00090	.00220	-.01000	.58640	-3.08810
2.010	15.570	.55230	-.02540	.11900	.08220	.00170	-.00100	.00220	-.01000	.60210	-3.08950
2.010	16.090	.57440	-.02650	.11810	.08140	.00180	-.00090	.00220	-.01000	.50010	-3.17150
2.010	16.620	.59410	-.02710	.11690	.08030	.00190	-.00090	.00220	-.01000	.57860	-3.26250
2.010	17.140	.61550	-.02820	.11600	.07950	.00180	-.00080	.00220	-.01000	.51580	-3.28530
2.010	17.680	.63810	-.02870	.11470	.07810	.00140	-.00080	.00210	-.01000	.46080	-3.31560
2.010	18.210	.65750	-.03000	.11370	.07700	.00150	-.00080	.00210	-.01000	.44510	-3.34600
2.010	18.710	.67700	-.03090	.11280	.07610	.00150	-.00080	.00220	-.01000	.42150	-3.43700
2.010	19.230	.69980	-.03210	.11210	.07560	.00130	-.00080	.00220	-.01000	.40580	-3.45210
2.010	19.750	.71880	-.03300	.11120	.07440	.00150	-.00080	.00220	-.01000	.29590	-3.53560
2.010	20.260	.74080	-.03340	.11040	.07330	.00120	-.00070	.00230	-.01000	.32730	-3.58870
2.010	20.750	.76260	-.03490	.10990	.07290	.00130	-.00080	.00240	-.01000	.25660	-3.59620
2.010	21.250	.78330	-.03610	.10880	.07150	.00110	-.00100	.00240	-.01000	.18590	-3.59620

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

LA67 (LTV 552) ORBITER 49-0

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(RFD049)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNG =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 100/ 0 RN/L = 8.36

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	21.740	.80730	-.03680	.10800	.07050	.00100	-.00090	.00250	-.01000	.12310	-3.61900
2.010	22.190	.82210	-.03820	.10670	.06880	.00070	-.00110	.00250	-.01000	.12310	-3.64930
2.010	22.480	.83820	-.03960	.10650	.06840	.00100	-.00100	.00260	-.01000	.09950	-3.71760

LA67 (LTV 552) ORBITER 49-0

(RFD549)

PARAMETRIC DATA

ELEVON =	.000	ATLRON =	2.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1113/ 0 RN/L = 8.02

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-.460	-.03600	.04050	.17020	.12370	.00250	-.00020	.00170	.00000	1.85080	-.63100
1.510	-.250	-.02570	.03850	.16990	.12320	.00300	-.00010	.00170	.00000	1.72510	-.65370
1.510	-.020	-.01500	.03720	.16960	.12280	.00290	-.00010	.00170	.00000	1.72510	-.69160
1.510	.300	.00140	.03410	.16850	.12150	.00280	.00000	.00160	.00000	1.58390	-.71440
1.510	.750	.02390	.03040	.16810	.12120	.00280	.00000	.00150	.00000	1.36390	-.80540
1.510	1.270	.04870	.02670	.16720	.12020	.00250	.00000	.00140	.00000	1.14400	-.88120
1.510	1.830	.07650	.02340	.16580	.11870	.00200	-.00010	.00140	.00000	.88490	-1.01020
1.510	2.410	.10200	.01900	.16470	.11780	.00230	.00000	.00130	.00000	.74350	-1.14670
1.510	2.990	.12800	.01510	.16270	.11560	.00180	.00000	.00130	.00000	.51580	-1.28320
1.510	3.590	.15710	.01180	.16180	.11490	.00180	.00000	.00140	.00000	.25660	-1.52590
1.510	4.170	.18170	.00810	.16050	.11340	.00230	.00010	.00130	.00000	-.00240	-1.66240
1.510	4.780	.21220	.00460	.15960	.11250	.00160	.00000	.00140	.00000	-.15950	-1.95060
1.510	5.360	.23950	.00160	.15840	.11110	.00200	.00000	.00140	.00000	-.20660	-2.10220
1.510	5.980	.26770	-.00270	.15750	.11010	.00120	.00000	.00140	.00000	-.22230	-2.28420
1.510	6.560	.29530	-.00650	.15600	.10810	.00140	.00010	.00140	.00000	-.31650	-2.50420
1.510	7.180	.32640	-.01020	.15520	.10740	.00180	.00010	.00130	.00000	-.37940	-2.64830
1.510	7.800	.35410	-.01540	.15420	.10650	.00080	.00010	.00140	.00000	-.34010	-2.80750
1.510	8.410	.38620	-.01950	.15290	.10520	.00170	.00010	.00130	.00000	-.51290	-2.92130
1.510	9.050	.41680	-.02420	.15190	.10440	.00140	.00010	.00130	.00000	-.46580	-2.98190
1.510	9.690	.44560	-.02740	.15090	.10310	.00100	.00000	.00120	.00000	-.50500	-3.09570
1.510	10.320	.47520	-.03120	.14950	.10130	.00120	.00000	.00110	-.01000	-.53640	-3.13360
1.510	10.940	.50390	-.03380	.14840	.09960	.00110	.00000	.00110	-.01000	-.57570	-3.20190
1.510	11.570	.53180	-.03680	.14740	.09840	.00030	.00000	.00110	-.01000	-.66990	-3.28530
1.510	12.220	.56340	-.03950	.14610	.09680	.00120	.00000	.00080	-.01000	-.67780	-3.26250
1.510	12.870	.59150	-.04280	.14480	.09530	.00000	.00000	.00090	-.01000	-.74850	-3.35360
1.510	13.510	.62200	-.04490	.14310	.09320	.00090	.00000	.00100	-.01000	-.82700	-3.31560
1.510	14.150	.65290	-.04830	.14200	.09200	.00000	.00000	.00120	-.01000	-.86630	-3.40660
1.510	14.800	.68240	-.04920	.14060	.09020	.00030	.00010	.00130	-.01000	-.88200	-3.36870
1.510	15.440	.71240	-.05110	.13910	.08790	.00100	.00010	.00140	-.01000	-.89770	-3.39910
1.510	16.100	.74350	-.05290	.13790	.08590	.00100	.00010	.00140	-.01000	-.96053	-3.34600
1.510	16.750	.77240	-.05470	.13680	.08380	.00080	.00010	.00140	-.01000	-1.00760	-3.46730
1.510	17.390	.80560	-.05710	.13660	.08300	.00030	.00000	.00130	-.01000	-1.05470	-3.42180
1.510	18.000	.83010	-.05790	.13520	.08060	.00100	.00010	.00120	-.01000	-.97620	-3.44460
1.510	18.640	.86310	-.05980	.13480	.07990	.00130	.00010	.00110	-.01000	-1.02330	-3.46730
1.510	19.270	.89220	-.06180	.13370	.07860	.00150	.00010	.00110	-.01000	-.96830	-3.48250
1.510	19.860	.92140	-.06310	.13260	.07760	.00110	.00000	.00120	-.01000	-1.05470	-3.49010
1.510	20.370	.94430	-.06430	.13110	.07620	.00150	.00000	.00120	-.01000	-1.04690	-3.48250
1.510	20.840	.96720	-.06540	.13050	.07570	.00110	.00000	.00130	-.01000	-.97620	-3.52040
1.510	21.200	.98200	-.06600	.12960	.07460	.00090	.00000	.00140	-.01000	-1.00760	-3.53560
1.510	21.430	.99140	-.06590	.12870	.07340	.00180	.00000	.00130	-.02000	-1.04690	-3.49760
1.510	21.660	1.00600	-.06730	.12870	.07350	.00140	-.00010	.00140	-.02000	-.99190	-3.44460

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD050)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 89/ 0 RN/L = 10.64

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-2.240	-.05490	-.00050	.11290	.09670	.00300	.00020	.00130	.00000	1.68590	-1.41970
2.990	.710	-.03100	-.00160	.11100	.09480	.00220	.00010	.00130	.00000	1.70160	-1.41210
2.990	1.620	-.00720	-.00230	.10990	.09350	.00200	.00010	.00120	.00000	1.67020	-1.42730
2.990	2.430	.01250	-.00300	.10900	.09250	.00130	.00000	.00130	.00000	1.58390	-1.46520
2.990	3.210	.03260	-.00310	.10800	.09130	.00110	.00000	.00110	.00000	1.37170	-1.55620
2.990	4.030	.05360	-.00350	.10660	.08960	.00090	.00000	.00110	.00000	1.20680	-1.73820
2.990	4.840	.07590	-.00360	.10490	.08760	.00080	-.00010	.00110	.00000	1.12050	-1.90500
2.990	5.640	.09740	-.00480	.10330	.08590	.00030	-.00010	.00100	.00000	.85350	-2.01880
2.990	6.460	.12200	-.00480	.10180	.08420	.00010	-.00020	.00110	.00000	.71210	-2.23870
2.990	7.270	.14590	-.00620	.10070	.08290	.00000	-.00020	.00110	.00000	.67280	-2.32970
2.990	8.090	.17110	-.00600	.09970	.08190	-.00010	-.00010	.00110	.00000	.60220	-2.43590
2.990	8.900	.19660	-.00600	.09850	.08050	.00010	-.00010	.00120	.00000	.65710	-2.54210
2.990	9.730	.22210	-.00670	.09770	.07950	-.00020	.00000	.00120	-.01000	.68850	-2.58000
2.990	10.540	.24780	-.00750	.09650	.07830	-.00040	-.00020	.00120	-.01000	.57070	-2.68620
2.990	11.370	.27340	-.00880	.09590	.07760	-.00040	-.00020	.00110	-.01000	.51580	-2.77720
2.990	12.170	.29940	-.00980	.09500	.07640	-.00040	-.00040	.00120	-.01000	.50010	-2.83790
2.990	12.980	.32510	-.01160	.09400	.07540	-.00050	-.00040	.00110	-.01000	.48440	-2.83790
2.990	13.810	.35360	-.01290	.09310	.07440	-.00070	-.00050	.00110	-.01000	.45290	-2.94400
2.990	14.630	.37940	-.01390	.09240	.07360	-.00080	-.00050	.00110	-.01000	.42940	-2.98190
2.990	15.450	.40710	-.01470	.09110	.07220	-.00060	-.00040	.00120	-.01000	.32730	-2.99710
2.990	16.260	.43500	-.01620	.09020	.07130	-.00070	-.00050	.00120	-.01000	.23310	-3.06540
2.990	17.090	.46450	-.01730	.08920	.07010	-.00060	-.00040	.00130	-.01000	.18590	-3.14880
2.990	17.910	.49400	-.01800	.08810	.06890	-.00060	-.00040	.00140	-.01000	.15450	-3.20190
2.990	18.760	.52310	-.01800	.08700	.06760	-.00050	-.00020	.00150	-.01000	.09960	-3.19430
2.990	19.560	.55330	-.01920	.08560	.06620	-.00080	-.00020	.00150	-.01000	-.01030	-3.27770
2.990	20.400	.58190	-.02110	.08390	.06430	-.00110	-.00040	.00140	-.01000	-.01810	-3.33840
2.990	21.210	.61360	-.02360	.08240	.06300	-.00120	-.00050	.00140	-.01000	-.12810	-3.39150
2.990	22.030	.64630	-.02540	.08100	.06150	-.00130	-.00050	.00140	-.01000	-.11240	-3.42180
2.990	22.870	.67660	-.02710	.07990	.06050	-.00130	-.00070	.00150	-.02000	-.20660	-3.48250
2.990	23.680	.70980	-.02910	.07880	.05940	-.00120	-.00070	.00160	-.02000	-.23800	-3.54310
2.990	24.490	.74300	-.03020	.07770	.05820	-.00130	-.00060	.00170	-.02000	-.26940	-3.64930
2.990	25.330	.77670	-.03190	.07660	.05720	-.00160	-.00080	.00170	-.02000	-.25370	-3.65690
2.990	26.140	.81120	-.03410	.07540	.05600	-.00170	-.00060	.00170	-.02000	-.33230	-3.69480
2.990	26.960	.84500	-.03500	.07410	.05450	-.00230	-.00050	.00180	-.02000	-.41080	-3.74030
2.990	27.770	.87930	-.03640	.07270	.05310	-.00190	-.00060	.00180	-.02000	-.46580	-3.80860
2.990	28.590	.91430	-.03700	.07170	.05220	-.00230	-.00070	.00190	-.02000	-.47360	-3.88440
2.990	29.410	.94850	-.04000	.07030	.05080	-.00190	-.00080	.00190	-.02000	-.52860	-3.90720
2.990	30.220	.98290	-.04190	.06880	.04930	-.00210	-.00090	.00190	-.02000	-.58360	-3.97540
2.990	31.020	1.01760	-.04480	.06740	.04800	-.00140	-.00100	.00200	-.02000	-.62280	-4.01330
2.990	31.820	1.05250	-.04750	.06580	.04650	-.00150	-.00100	.00190	-.02000	-.70920	-4.08920
2.990	32.620	1.08720	-.05100	.06420	.04490	-.00200	-.00050	.00160	-.02000	-.80340	-4.14230
2.990	33.400	1.12240	-.05340	.06310	.04370	-.00240	-.00020	.00130	-.03000	-.89770	-4.18780

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD050)

PARAMETRIC DATA

ELEVON =	.000	ATLRON =	2.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPQS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 89/ 0 RN/L = 10.64

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	34.140	1.15610	-.05530	.06230	.04300	-.00300	.00000	.00100	-.03000	-.95280	-4.27890
2.990	34.780	1.18480	-.05730	.06160	.04240	-.00270	.00000	.00100	-.03000	-1.01550	-4.30150
2.990	35.060	1.19590	-.05820	.06130	.04190	-.00260	-.00010	.00100	-.03000	-1.13330	-4.30910

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD550)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1089/ 0 RN/L = 10.62

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-.100	-.05380	.00060	.11250	.09510	.00170	.00010	.00120	.00000	.20160	-2.48140
2.990	.160	-.04780	.00040	.11200	.09430	.00230	.00010	.00120	.00000	.14670	-2.61030
2.990	.780	-.03020	-.00070	.11080	.09310	.00170	.00010	.00110	.00000	.02100	-2.77720
2.990	1.790	-.00420	-.00090	.10950	.09150	.00130	.00000	.00120	.00000	-.08100	-3.07300
2.990	2.910	.02280	-.00130	.10780	.08950	.00090	.00000	.00110	.00000	-.15160	-3.27770
2.990	4.080	.05410	-.00180	.10580	.08740	.00060	.00000	.00100	.00000	-.18310	-3.34600
2.990	5.240	.08750	-.00310	.10370	.08520	.00010	-.00010	.00100	.00000	-.27730	-3.49760
2.990	6.420	.12040	-.00450	.10130	.08270	.00000	-.00010	.00100	.00000	-.33230	-3.54310
2.990	7.640	.15670	-.00460	.09990	.08100	-.00020	-.00010	.00100	.00000	-.36370	-3.57350
2.990	8.880	.19470	-.00510	.09820	.07920	-.00020	.00000	.00110	.00000	-.37150	-3.64930
2.990	10.110	.23530	-.00600	.09700	.07790	-.00040	-.00010	.00110	-.01000	-.45790	-3.70240
2.990	11.380	.27530	-.00800	.09530	.07610	-.00040	-.00020	.00110	-.01000	-.48150	-3.80100
2.990	12.640	.31530	-.00980	.09390	.07460	-.00100	-.00040	.00110	-.01000	-.56780	-3.80860
2.990	13.930	.35760	-.01170	.09260	.07320	-.00110	-.00040	.00110	-.01000	-.54430	-3.88440
2.990	15.240	.40120	-.01360	.09120	.07160	-.00110	-.00040	.00110	-.01000	-.70130	-3.92990
2.990	16.530	.44450	-.01580	.08930	.06980	-.00090	-.00030	.00110	-.01000	-.66990	-3.92230
2.990	17.840	.49220	-.01680	.08780	.06830	-.00120	-.00030	.00130	-.01000	-.72490	-4.01330
2.990	19.160	.53920	-.01810	.08560	.06610	-.00130	-.00020	.00140	-.01000	-.81130	-3.96780
2.990	20.470	.58750	-.02140	.08310	.06370	-.00140	-.00030	.00130	-.01000	-.92120	-4.03610
2.990	21.790	.63560	-.02460	.08070	.06120	-.00120	-.00040	.00130	-.02000	-.89770	-4.05880
2.990	23.120	.69050	-.02700	.07880	.05930	-.00160	-.00050	.00130	-.02000	-.89770	-4.11190
2.990	24.470	.74420	-.03070	.07690	.05750	-.00130	-.00060	.00160	-.02000	-.96050	-4.13470
2.990	25.820	.80000	-.03360	.07510	.05560	-.00160	-.00050	.00160	-.02000	-.93690	-4.16500
2.990	27.190	.85690	-.03570	.07320	.05400	-.00220	-.00060	.00170	-.02000	-.97620	-4.20290
2.990	28.550	.91630	-.03810	.07100	.05180	-.00200	-.00070	.00180	-.02000	-1.00760	-4.21050
2.990	29.940	.97460	-.04240	.06880	.04950	-.00190	-.00080	.00190	-.02000	-1.03120	-4.21050
2.990	31.290	1.03420	-.04730	.06630	.04700	-.00180	-.00080	.00180	-.02000	-1.07830	-4.25600
2.990	32.650	1.09550	-.05210	.06430	.04510	-.00220	-.00050	.00160	-.02000	-1.10180	-4.28640
2.990	33.820	1.14650	-.05530	.06260	.04340	-.00240	.00000	.00120	-.03000	-1.14110	-4.26360
2.990	35.030	1.19460	-.05910	.06080	.04150	-.00220	.00000	.00100	-.03000	-1.12540	-4.34700

LA67 (LTV 552) ORBITER 49-0

(RF0051)

PARAMETRIC DATA

ELEVON =	.000	AIRON =	2.000
SPDRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 82/ 0 RN/L = 15.16

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-1.160	-.06370	-.00850	.09460	.08980	.00010	.00100	.00060	.00000	1.36390	-1.85200
4.591	.840	-.04010	-.00760	.09040	.08580	.00160	.00090	.00050	.00000	1.33250	-1.88990
4.591	1.720	-.02290	-.00830	.08830	.08340	.00070	.00060	.00060	.00000	1.33250	-1.88990
4.591	2.510	-.00760	-.00820	.08660	.08180	-.00010	.00050	.00050	.00000	1.36390	-1.89750
4.591	3.300	.00830	-.00940	.08550	.08060	.00000	.00050	.00060	.00000	1.35600	-1.88990
4.591	4.120	.02750	-.00750	.08380	.07880	.00000	.00040	.00060	.00000	1.30890	-1.94300
4.591	4.920	.04460	-.00800	.08240	.07740	.00030	.00030	.00060	.00000	1.26960	-1.97330
4.591	5.720	.06370	-.00900	.08020	.07500	-.00040	.00030	.00060	.00000	1.20680	-2.02640
4.591	6.520	.08310	-.00870	.07880	.07360	-.00020	.00020	.00070	.00000	.97910	-2.05670
4.591	7.330	.10210	-.00830	.07820	.07300	.00010	.00020	.00060	-.01000	.84560	-2.10220
4.591	8.140	.12190	-.00810	.07770	.07240	.00010	.00020	.00060	-.01000	.79060	-2.12500
4.591	8.960	.13990	-.00820	.07680	.07160	-.00070	.00010	.00060	-.01000	.75920	-2.14010
4.591	9.760	.16020	-.00930	.07610	.07060	-.00080	.00010	.00060	-.01000	.70420	-2.15530
4.591	10.580	.18240	-.00760	.07540	.06990	-.00050	.00000	.00060	-.01000	.64140	-2.18560
4.591	11.400	.20510	-.00760	.07510	.06970	.00000	.00000	.00060	-.01000	.57860	-2.34490
4.591	12.200	.22770	-.00740	.07430	.06870	-.00050	.00000	.00070	-.01000	.57660	-2.40560
4.591	13.030	.25270	-.00750	.07360	.06820	-.00020	.00000	.00070	-.01000	.56290	-2.43590
4.591	13.840	.27550	-.00840	.07290	.06750	-.00100	.00000	.00070	-.01000	.65710	-2.47380
4.591	14.650	.29900	-.00880	.07210	.06640	-.00100	-.00010	.00060	-.01000	.64930	-2.51930
4.591	15.460	.32400	-.00970	.07160	.06590	-.00070	-.00010	.00060	-.01000	.59430	-2.61030
4.591	16.290	.34960	-.01040	.07080	.06510	-.00100	-.00020	.00060	-.01000	.59430	-2.65580
4.591	17.120	.37700	-.01030	.07030	.06460	-.00080	-.00030	.00060	-.01000	.59430	-2.68620
4.591	17.950	.40370	-.01010	.06950	.06390	-.00120	-.00030	.00070	-.01000	.61790	-2.70130
4.591	18.770	.43180	-.01040	.06910	.06330	-.00130	-.00040	.00060	-.01000	.51580	-2.73170
4.591	19.600	.45890	-.01100	.06850	.06270	-.00210	-.00040	.00070	-.01000	.48440	-2.76200
4.591	20.420	.48770	-.01110	.06790	.06210	-.00210	-.00040	.00070	-.02000	.42940	-2.78480
4.591	21.250	.51710	-.01100	.06750	.06160	-.00180	-.00040	.00070	-.02000	.38230	-2.83030
4.591	22.090	.54710	-.01150	.06730	.06160	-.00180	-.00030	.00070	-.02000	.35870	-2.86820
4.591	22.910	.57720	-.01160	.06690	.06090	-.00160	-.00040	.00070	-.02000	.32730	-2.89850
4.591	23.720	.60760	-.01300	.06640	.06050	-.00180	-.00030	.00080	-.02000	.27230	-2.98190
4.591	24.560	.63860	-.01340	.06580	.05990	-.00170	-.00040	.00090	-.02000	.24880	-2.96580
4.591	25.380	.67010	-.01420	.06540	.05960	-.00170	-.00040	.00090	-.02000	.22520	-2.96680
4.591	26.190	.70320	-.01560	.06510	.05940	-.00140	-.00040	.00070	-.02000	.14670	-3.07300
4.591	27.000	.73460	-.01690	.06450	.05850	-.00210	-.00040	.00080	-.02000	.09960	-3.07300
4.591	27.820	.76920	-.01940	.06410	.05830	-.00190	-.00050	.00060	-.02000	.05240	-3.14880
4.591	28.640	.80420	-.01950	.06340	.05760	-.00170	-.00050	.00060	-.02000	-.02600	-3.17150
4.591	29.460	.83540	-.02070	.06280	.05690	-.00220	-.00040	.00060	-.02000	-.04950	-3.17910
4.591	30.240	.87040	-.02260	.06230	.05640	-.00220	-.00040	.00060	-.03000	-.09670	-3.24740
4.591	31.040	.90230	-.02420	.06180	.05590	-.00290	-.00020	.00040	-.03000	-.12020	-3.27010
4.591	31.830	.93820	-.02600	.06130	.05530	-.00250	-.00020	.00050	-.03000	-.21450	-3.35360
4.591	32.640	.97180	-.02740	.06070	.05490	-.00210	-.00040	.00060	-.03000	-.23020	-3.34600
4.591	33.410	1.00540	-.02910	.06030	.05440	-.00180	-.00060	.00080	-.03000	-.26940	-3.39910

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD051)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 82/ 0 RN/L = 15.16

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	34.140	1.03870	-.03130	.06010	.05410	-.00150	-.00070	.00090	-.03000	-.33230	-3.46730
4.591	34.660	1.06120	-.03310	.05990	.05390	-.00200	-.00060	.00090	-.03000	-.37150	-3.48250

LA67 (LTV 552) ORBITER 49-0

(RFD052)

PARAMETRIC DATA

ELEVON =	5.000	A1LRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 114/ 0 RN/L = 8.08

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-.320	-.00850	.02790	.17140	.12440	.00390	.00000	.00250	.00000	5.95000	3.50970
1.510	-.150	.01550	.02300	.17090	.12420	.00340	-.00020	.00240	.00000	5.93430	3.48690
1.510	.830	.04830	.01700	.16970	.12310	.00370	-.00010	.00240	.00000	5.96570	3.34280
1.510	1.410	.07510	.01260	.16880	.12220	.00330	-.00020	.00240	.00000	5.85580	3.22150
1.510	1.980	.10280	.00720	.16770	.12110	.00340	-.00010	.00240	.00000	5.81650	3.08500
1.510	2.490	.12740	.00340	.16750	.12080	.00340	.00000	.00240	.00000	5.71450	3.03190
1.510	3.020	.15270	-.00080	.16610	.11940	.00310	-.00020	.00220	.00000	5.72230	3.04710
1.510	3.530	.17760	-.00510	.16590	.11910	.00310	-.00010	.00230	.00000	5.62020	2.95610
1.510	4.060	.20300	-.00870	.16530	.11840	.00260	-.00010	.00220	.00000	5.54170	2.99400
1.510	4.600	.22890	-.01320	.16410	.11710	.00260	-.00030	.00210	.00000	5.48670	2.93330
1.510	5.110	.25410	-.01760	.16390	.11670	.00280	-.00010	.00220	.00000	5.46320	2.82710
1.510	5.640	.27780	-.02220	.16290	.11460	.00250	-.00020	.00210	.00000	5.35320	2.80440
1.510	6.180	.30480	-.02640	.16190	.11340	.00220	-.00020	.00200	.00000	5.27470	2.79680
1.510	6.700	.32950	-.03030	.16040	.11220	.00200	-.00010	.00190	.00000	5.28250	2.75890
1.510	7.230	.35420	-.03360	.15850	.11070	.00170	-.00020	.00190	.00000	5.24330	2.68300
1.510	7.730	.38030	-.03800	.15750	.11090	.00150	-.00010	.00200	.00000	5.17260	2.62240
1.510	8.280	.40320	-.04060	.15630	.10920	.00100	-.00010	.00180	.00000	5.07050	2.49350
1.510	8.790	.42820	-.04410	.15620	.10820	.00070	.00000	.00190	.00000	5.07840	2.43280
1.510	9.310	.45350	-.04810	.15600	.10730	.00080	-.00010	.00190	.00000	4.99200	2.35690
1.510	9.840	.48180	-.05250	.15570	.10730	.00040	-.00010	.00190	.00000	4.92920	2.28110
1.510	10.370	.50350	-.05450	.15380	.10500	.00030	.00000	.00190	.00000	4.89770	2.20530
1.510	10.890	.52740	-.05650	.15310	.10430	.00060	.00000	.00190	-.01000	4.74850	2.09150
1.510	11.430	.55220	-.05850	.15170	.10280	.00020	.00000	.00180	-.01000	4.75640	2.01570
1.510	11.940	.57530	-.06080	.15050	.10170	.00030	.00000	.00170	-.01000	4.70140	1.98530
1.510	12.470	.60130	-.06260	.14930	.10080	.00040	.00000	.00170	-.01000	4.58360	1.95500
1.510	12.990	.62270	-.06520	.14770	.09880	.00040	.00000	.00180	-.01000	4.67790	1.91710
1.510	13.530	.65050	-.06730	.14710	.09860	.00060	.00000	.00200	-.01000	4.59150	1.87160
1.510	14.050	.67370	-.06940	.14620	.09750	.00110	.00000	.00200	-.01000	4.52870	1.79570
1.510	14.570	.70040	-.07200	.14520	.09640	.00060	.00000	.00200	-.01000	4.47370	1.78820
1.510	15.080	.71940	-.07340	.14370	.09430	.00040	-.00010	.00200	-.01000	4.42660	1.72750
1.510	15.600	.74540	-.07570	.14340	.09410	.00100	.00000	.00190	-.01000	4.32450	1.75780
1.510	16.130	.77030	-.07710	.14240	.09290	.00100	-.00010	.00180	-.01000	4.31660	1.68200
1.510	16.640	.79270	-.07760	.14130	.09140	.00100	-.00010	.00180	-.01000	4.23020	1.68960
1.510	17.150	.81710	-.07930	.14070	.08990	.00110	-.00010	.00200	-.01000	4.22240	1.64410
1.510	17.670	.83980	-.08100	.13990	.08800	.00130	-.00010	.00210	-.01000	4.17530	1.61370
1.510	18.180	.86820	-.08220	.14040	.08780	.00080	-.00010	.00210	-.01000	4.10460	1.53790
1.510	18.690	.88890	-.08320	.13950	.08620	.00130	-.00010	.00210	-.01000	4.08890	1.53030
1.510	19.210	.91510	-.08490	.13900	.08540	.00090	-.00010	.00210	-.01000	4.02610	1.40900
1.510	19.710	.93740	-.08580	.13760	.08390	.00180	-.00010	.00220	-.01000	4.02610	1.43170
1.510	20.200	.95980	-.08700	.13630	.08250	.00180	-.00010	.00230	-.01000	3.85330	1.40140
1.510	20.700	.98250	-.08770	.13510	.08110	.00180	-.00020	.00240	-.01000	3.83760	1.33310
1.510	21.170	1.00470	-.08820	.13400	.08030	.00150	-.00030	.00240	-.01000	3.81400	1.33310

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD052)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 114/ 0 RN/L = 8.08

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	21.520	1.02090	-.08940	.13300	.07900	.00190	-.00020	.0025J	-.01000	3.71980	1.28760

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD052)

PARAMETRIC DATA

ELEVON	5.000	AILRON	2.000
SPOBRK	55.000	RN/L	8.000
GRITNO	.000	RCSPDS	1.000
BETA	.000	ALFSWP	1.000
BOFLAP	.000	RUDDER	.000

RUN NO. 101/ 0 RN/L = 8.23

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CSL	BETA	ELVN-L	ELVN-R
2.010	.480	-.03800	.01410	.14860	.11650	.00340	-.00050	.00240	.00000	5.56520	3.26700
2.010	.020	-.01960	.01250	.14760	.11550	.00370	-.00060	.00230	.00000	5.54170	3.19120
2.010	.720	.00790	.00790	.14630	.11420	.00360	-.00060	.00220	.00000	5.52600	3.18360
2.010	1.310	.03200	.00520	.14540	.11310	.00320	-.00060	.00220	.00000	5.42390	3.16840
2.010	1.900	.05280	.00290	.14520	.11290	.00340	-.00070	.00210	.00000	5.40820	3.13050
2.010	2.430	.07240	.00040	.14480	.11240	.00340	-.00060	.00200	.00000	5.33750	3.02430
2.010	2.940	.09080	-.00230	.14410	.11150	.00330	-.00070	.00200	.00000	5.25110	3.02430
2.010	3.460	.11030	-.00430	.14340	.11080	.00330	-.00070	.00200	.00000	5.21190	2.91060
2.010	3.970	.12810	-.00740	.14230	.10940	.00260	-.00070	.00180	.00000	5.21970	2.91810
2.010	4.490	.14770	-.00960	.14110	.10820	.00230	-.00070	.00180	.00000	5.07050	2.85750
2.010	5.020	.16680	-.01140	.14050	.10760	.00300	-.00070	.00170	.00000	5.05480	2.74370
2.010	5.530	.18500	-.01410	.13960	.10660	.00230	-.00070	.00170	.00000	5.01550	2.71340
2.010	6.060	.20390	-.01680	.13910	.10580	.00230	-.00070	.00160	.00000	5.00770	2.64510
2.010	6.580	.22240	-.01900	.13870	.10520	.00230	-.00070	.00150	.00000	5.04700	2.58450
2.010	7.110	.24250	-.02030	.13830	.10470	.00270	-.00070	.00160	.00000	4.99200	2.50860
2.010	7.630	.26060	-.02230	.13760	.10360	.00220	-.00080	.00150	.00000	4.88990	2.41760
2.010	8.160	.28010	-.02320	.13720	.10310	.00230	-.00080	.00150	.00000	4.92130	2.31140
2.010	8.680	.29940	-.02500	.13610	.10160	.00130	-.00080	.00150	.00000	4.80350	2.30390
2.010	9.210	.31770	-.02590	.13530	.10080	.00180	-.00070	.00160	.00000	4.82710	2.22040
2.010	9.740	.33910	-.02760	.13420	.09960	.00110	-.00080	.00160	.00000	4.70930	2.19770
2.010	10.280	.35900	-.02830	.13330	.09850	.00090	-.00090	.00160	.00000	4.67790	2.09910
2.010	10.790	.37830	-.02890	.13230	.09730	.00110	-.00090	.00170	.00000	4.73280	2.03080
2.010	11.330	.40090	-.03040	.13140	.09610	.00100	-.00090	.00170	.00000	4.63860	2.01570
2.010	11.850	.42130	-.03120	.13040	.09470	.00100	-.00090	.00170	.00000	4.62290	2.01570
2.010	12.370	.44310	-.03190	.12940	.09340	.00080	-.00100	.00170	.00000	4.51290	1.94740
2.010	12.910	.46270	-.03200	.12800	.09170	.00100	-.00090	.00180	.00000	4.51290	1.87920
2.010	13.420	.48310	-.03280	.12650	.08990	.00190	-.00090	.00180	-.01000	4.45010	1.88670
2.010	13.940	.50430	-.03410	.12550	.08890	.00170	-.00090	.00180	-.01000	4.46580	1.80330
2.010	14.470	.52490	-.03540	.12430	.08770	.00140	-.00100	.00180	-.01000	4.41090	1.80330
2.010	15.000	.54600	-.03520	.12310	.08640	.00220	-.00100	.00180	-.01000	4.33230	1.76540
2.010	15.510	.56590	-.03630	.12190	.08520	.00220	-.00100	.00180	-.01000	4.31660	1.75020
2.010	16.040	.58700	-.03750	.12100	.08440	.00230	-.00100	.00180	-.01000	4.26950	1.71230
2.010	16.570	.60780	-.03880	.12000	.08340	.00130	-.00100	.00180	-.01000	4.16740	1.62130
2.010	17.080	.63000	-.03930	.11920	.08250	.00190	-.00090	.00170	-.01000	4.11240	1.64410
2.010	17.600	.65060	-.04060	.11830	.08150	.00170	-.00090	.00170	-.01000	4.10460	1.61370
2.010	18.130	.67280	-.04260	.11740	.08080	.00110	-.00090	.00170	-.01000	4.01030	1.53030
2.010	18.640	.69360	-.04400	.11660	.08000	.00100	-.00090	.00170	-.01000	3.95540	1.50000
2.010	19.140	.71360	-.04490	.11560	.07900	.00140	-.00080	.00160	-.01000	3.87680	1.46960
2.010	19.650	.73700	-.04670	.11490	.07820	.00120	-.00090	.00170	-.01000	3.75910	1.48480
2.010	20.170	.75830	-.04650	.11410	.07730	.00120	-.00090	.00180	-.01000	3.70410	1.37860
2.010	20.660	.77570	-.04930	.11290	.07580	.00080	-.00090	.00180	-.01000	3.66480	1.34830
2.010	21.150	.79830	-.05130	.11200	.07490	.00090	-.00100	.00190	-.01000	3.61770	1.30280

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) COMPUTER 49-0

(RFD052)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 101/ 0 RN/L = 8.23

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	21.640	.81880	-.05280	.11130	.07390	.00130	-.00110	.00190	-.01000	3.53130	1.31040
2.010	22.080	.83790	-.05440	.11040	.07270	.00130	-.00110	.00200	-.01000	3.57840	1.30280
2.010	22.410	.85410	-.05520	.10980	.07180	.00120	-.00120	.00210	-.01000	3.53130	1.26490

LA67 (LTV 552) ORBITER 49-0

(RFD552)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1114/ 0 RN/L = 8.03

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-.250	-.00710	.02960	.17010	.12350	.00340	.00000	.00220	.00000	5.27470	2.85750
1.510	-.040	.00280	.02700	.17050	.12420	.00360	.00000	.00240	.00000	5.25110	2.80440
1.510	.300	.01980	.02390	.16960	.12320	.00350	.00000	.00240	.00000	5.23540	2.68300
1.510	.730	.04130	.02020	.16820	.12180	.00280	.00000	.00230	.00000	5.12550	2.53900
1.510	1.260	.06560	.01650	.16800	.12170	.00270	-.00010	.00220	.00000	5.03120	2.37210
1.510	1.820	.09430	.01160	.16700	.12070	.00250	-.00010	.00210	.00000	4.89770	2.29630
1.510	2.390	.12110	.00670	.16530	.11880	.00250	.00000	.00200	.00000	4.82710	2.19010
1.510	2.970	.14840	.00220	.16450	.11810	.00260	.00000	.00200	.00000	4.67790	2.08390
1.510	3.560	.17800	-.00250	.16410	.11750	.00280	-.00010	.00200	.00000	4.70930	2.01570
1.510	4.170	.20560	-.00700	.16340	.11670	.00200	-.00010	.00200	.00000	4.62290	1.93990
1.510	4.760	.23270	-.01170	.16220	.11530	.00210	-.00020	.00210	.00000	4.58930	1.86400
1.510	5.340	.26200	-.01720	.16100	.11390	.00210	.00000	.00210	.00000	4.46580	1.85640
1.510	5.950	.29200	-.02120	.16070	.11340	.00140	-.00010	.00200	.00000	4.40300	1.78060
1.510	6.540	.32050	-.02670	.15950	.11200	.00180	.00000	.00200	.00000	4.41670	1.69720
1.510	7.160	.35050	-.03190	.15810	.11030	.00150	.00000	.00200	.00000	4.34020	1.71990
1.510	7.770	.37970	-.03570	.15740	.10960	.00120	.00000	.00190	.00000	4.31660	1.62130
1.510	8.390	.41200	-.04010	.15670	.10880	.00020	.00000	.00180	.00000	4.23020	1.63650
1.510	9.030	.44080	-.04370	.15550	.10730	.00010	-.00010	.00190	.00000	4.19100	1.55310
1.510	9.650	.47090	-.04850	.15450	.10590	.00000	.00000	.00190	.00000	4.12810	1.58340
1.510	10.280	.50090	-.05230	.15360	.10460	.00010	.00000	.00190	.00000	4.04960	1.53030
1.510	10.920	.52980	-.05510	.15200	.10250	.00050	.00000	.00190	-.01000	3.97110	1.50000
1.510	11.550	.55740	-.05710	.15080	.10130	.00040	.00000	.00190	-.01000	3.94750	1.44690
1.510	12.200	.58920	-.06000	.14930	.10020	.00000	.00000	.00170	-.01000	3.91610	1.46950
1.510	12.840	.61910	-.06270	.14750	.09840	.00000	.00010	.00170	-.01000	3.88470	1.43170
1.510	13.490	.64980	-.06610	.14630	.09720	.00040	.00010	.00180	-.01000	3.86900	1.34070
1.510	14.140	.67970	-.06850	.14510	.09590	.00050	.00000	.00190	-.01000	3.77480	1.37860
1.510	14.780	.70750	-.07090	.14340	.09380	.00040	.00000	.00200	-.01000	3.75120	1.31800
1.510	15.440	.73350	-.07390	.14200	.09290	.00040	.00000	.00190	-.01000	3.76690	1.29520
1.510	16.100	.75850	-.07590	.14180	.09100	.00020	-.00010	.00190	-.01000	3.66490	1.30280
1.510	16.730	.79920	-.07660	.14060	.08980	.00080	-.00010	.00200	-.01000	3.73550	1.32550
1.510	17.370	.82530	-.08010	.14050	.08790	.00040	-.00010	.00200	-.01000	3.69050	1.28760
1.510	18.000	.85790	-.08130	.13990	.08550	.00080	.00000	.00210	-.01000	3.55730	1.24970
1.510	18.640	.88950	-.08360	.13920	.08550	.00110	.00000	.00210	-.01000	3.64130	1.23450
1.510	19.270	.92120	-.08460	.13840	.08450	.00130	.00000	.00220	-.01000	3.64130	1.28760
1.510	19.860	.94290	-.08610	.13740	.08350	.00080	.00000	.00220	-.01000	3.61770	1.26490
1.510	20.370	.96920	-.08650	.13560	.08160	.00140	-.00010	.00230	-.01000	3.66480	1.24210
1.510	20.820	.99230	-.08900	.13460	.08070	.00170	-.00020	.00240	-.01000	3.59410	1.21180
1.510	21.190	1.00840	-.08980	.13430	.08040	.00120	-.00020	.00230	-.01000	3.60200	1.26490
1.510	21.410	1.02000	-.08970	.13360	.07960	.00210	-.00020	.00250	-.02000	3.60200	1.19660
1.510	21.650	1.02690	-.09000	.13240	.07840	.00110	-.00020	.00270	-.01000	3.66480	1.23450

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD552)

PARAMETRIC DATA

ELEVON =	5.000	ATLRN =	2.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1101/ 0 RN/L = 8.27

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	.150	-.02770	.01500	.14730	.11540	.00320	-.00050	.00230	.00000	4.67000	2.28870
2.010	.120	-.01540	.01300	.14670	.11470	.00310	-.00050	.00230	.00000	4.56790	2.22800
2.010	.420	-.00500	.01110	.14630	.11420	.00260	-.00050	.00220	.00000	4.59150	2.12180
2.010	.820	.01100	.00980	.14560	.11340	.00330	-.00050	.00210	.00000	4.49720	2.03080
2.010	1.310	.03030	.00690	.14500	.11270	.00270	-.00050	.00210	.00000	4.44230	1.99290
2.010	1.850	.05030	.00380	.14420	.11190	.00250	-.00050	.00210	.00000	4.37940	1.90190
2.010	2.430	.07130	.00150	.14350	.11120	.00250	-.00060	.00200	.00000	4.35590	1.81090
2.010	2.990	.09300	-.00070	.14230	.10970	.00280	-.00060	.00200	.00000	4.28520	1.82610
2.010	3.590	.11390	-.00390	.14170	.10910	.00220	-.00070	.00200	.00000	4.23020	1.78060
2.010	4.160	.13480	-.00560	.14070	.10780	.00250	-.00060	.00180	.00000	4.15170	1.68960
2.010	4.760	.15610	-.00920	.13980	.10670	.00170	-.00070	.00180	.00000	4.04960	1.69720
2.010	5.330	.17740	-.01100	.13860	.10500	.00240	-.00060	.00170	.00000	4.08690	1.68200
2.010	5.920	.19800	-.01350	.13820	.10440	.00210	-.00060	.00160	.00000	3.94750	1.59860
2.010	6.510	.21940	-.01580	.13760	.10350	.00220	-.00060	.00150	.00000	3.90040	1.61370
2.010	7.100	.24170	-.01900	.13690	.10230	.00140	-.00070	.00150	.00000	3.90040	1.57580
2.010	7.720	.26460	-.02030	.13650	.10170	.00180	-.00070	.00150	.00000	3.81400	1.53790
2.010	8.340	.28670	-.02170	.13570	.10060	.00170	-.00070	.00150	.00000	3.85330	1.51510
2.010	8.950	.31010	-.02420	.13470	.09930	.00130	-.00070	.00160	.00000	3.80620	1.50760
2.010	9.570	.33340	-.02480	.13370	.09800	.00140	-.00070	.00160	.00000	3.75120	1.44690
2.010	10.200	.35850	-.02640	.13250	.09640	.00160	-.00070	.00160	.00000	3.75910	1.48480
2.010	10.840	.38260	-.02840	.13130	.09500	.00090	-.00080	.00160	.00000	3.70410	1.45450
2.010	11.480	.40790	-.02920	.13030	.09390	.00080	-.00090	.00170	.00000	3.63340	1.37860
2.010	12.110	.43260	-.02960	.12880	.09210	.00130	-.00090	.00170	.00000	3.66460	1.40140
2.010	12.740	.45800	-.03160	.12730	.09060	.00080	-.00090	.00170	.00000	3.64130	1.38620
2.010	13.390	.48410	-.03240	.12600	.08930	.00080	-.00090	.00170	-.01000	3.54700	1.34070
2.010	14.060	.51070	-.03310	.12470	.08790	.00160	-.00090	.00180	-.01000	3.53130	1.37860
2.010	14.700	.53670	-.03490	.12310	.08650	.00140	-.00090	.00180	-.01000	3.49990	1.36350
2.010	15.330	.55890	-.03580	.12160	.08480	.00100	-.00100	.00180	-.01000	3.53130	1.30280
2.010	15.980	.58670	-.03670	.12050	.08370	.00190	-.00100	.00170	-.01000	3.53130	1.33310
2.010	16.640	.61400	-.03880	.11940	.08260	.00100	-.00090	.00170	-.01000	3.49210	1.30280
2.010	17.290	.64100	-.04040	.11830	.08150	.00160	-.00080	.00170	-.01000	3.49210	1.32560
2.010	17.920	.66570	-.04260	.11710	.08020	.00090	-.00080	.00160	-.01000	3.49210	1.25730
2.010	18.550	.69370	-.04370	.11620	.07910	.00070	-.00090	.00160	-.01000	3.49210	1.26490
2.010	19.180	.71890	-.04610	.11520	.07780	.00080	-.00080	.00160	-.01000	3.49990	1.24970
2.010	19.830	.74590	-.04810	.11420	.07660	.00100	-.00090	.00170	-.01000	3.50780	1.24210
2.010	20.450	.77350	-.04990	.11360	.07580	.00120	-.00090	.00170	-.01000	3.51360	1.21180
2.010	21.000	.79630	-.05150	.11230	.07430	.00080	-.00100	.00180	-.01000	3.55490	1.21940
2.010	21.490	.81610	-.05290	.11140	.07320	.00110	-.00100	.00190	-.01000	3.50780	1.23450
2.010	21.910	.83500	-.05460	.11080	.07250	.00100	-.00110	.00200	-.01000	3.50780	1.23450
2.010	22.240	.84920	-.05460	.11040	.07200	.00170	-.00110	.00200	-.01000	3.53130	1.26490
2.010	22.510	.85870	-.05630	.10930	.07090	.00140	-.00120	.00210	-.01000	3.57840	1.25730

LA67 (LTV 552) ORBITER 49-0

(RFD053)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 90/ 0 RN/L = 10.69

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-.110	-.04330	-.00630	.11460	.09750	.00140	.00010	.00170	.00000	7.34790	2.91060
2.990	.890	-.01730	-.00760	.11270	.09550	.00160	.00000	.00180	.00000	7.28500	2.89540
2.990	1.780	.00610	-.00880	.11140	.09410	.00160	.00000	.00170	.00000	7.33220	2.84230
2.990	2.570	.02630	-.00870	.11070	.09350	.00130	-.00010	.00170	.00000	7.28500	2.80440
2.990	3.390	.04700	-.00920	.10940	.09220	.00100	-.00010	.00170	.00000	7.29290	2.83470
2.990	4.170	.06970	-.01030	.10790	.09070	.00090	-.00020	.00160	.00000	7.28500	2.75130
2.990	4.990	.09210	-.01190	.10600	.08870	.00140	-.00030	.00170	.00000	7.29290	2.69060
2.990	5.800	.11560	-.01340	.10490	.09740	.00070	-.00040	.00160	.00000	7.33220	2.68300
2.990	6.610	.14030	-.01420	.10330	.08580	.00090	-.00050	.00160	.00000	7.29290	2.60720
2.990	7.410	.16360	-.01560	.10210	.08450	.00080	-.00050	.00160	.00000	7.23010	2.57690
2.990	8.230	.18800	-.01590	.10110	.08340	.00020	-.00050	.00160	.00000	7.15940	2.56930
2.990	9.040	.21400	-.01710	.10000	.08220	.00050	-.00060	.00160	.00000	7.07300	2.47830
2.990	9.860	.23960	-.01770	.09930	.08140	.00000	-.00070	.00170	.00000	7.04950	2.49350
2.990	10.690	.26710	-.01930	.09840	.08040	.00000	-.00070	.00170	.00000	7.01020	2.42520
2.990	11.490	.29320	-.02100	.09790	.07980	.00020	-.00070	.00160	-.01000	6.90030	2.37210
2.990	12.310	.31970	-.02180	.09730	.07910	.00000	-.00070	.00170	-.01000	6.79030	2.28110
2.990	13.130	.34710	-.02320	.09660	.07820	.00000	-.00080	.00170	-.01000	6.64110	2.30390
2.990	13.950	.37290	-.02440	.09560	.07710	-.00040	-.00080	.00180	-.01000	6.46050	2.24320
2.990	14.770	.40150	-.02550	.09480	.07610	.00000	-.00080	.00190	-.01000	6.23280	2.22040
2.990	15.600	.42830	-.02700	.09400	.07530	-.00050	-.00070	.00190	-.01000	6.04430	2.15220
2.990	16.420	.45900	-.02860	.09300	.07400	.00000	-.00080	.00200	-.01000	6.00500	2.09150
2.990	17.240	.48750	-.03050	.09190	.07290	-.00010	-.00090	.00210	-.01000	5.84010	2.07630
2.990	18.070	.51700	-.03260	.09090	.07180	.00000	-.00090	.00210	-.01000	5.79300	1.97780
2.990	18.900	.54770	-.03440	.08950	.07020	.00010	-.00100	.00210	-.01000	5.73020	1.97020
2.990	19.710	.57750	-.03670	.08810	.06880	-.00040	-.00110	.00210	-.01000	5.65950	1.93230
2.990	20.540	.60960	-.03920	.08670	.06740	-.00050	-.00100	.00220	-.01000	5.54950	1.82610
2.990	21.360	.64170	-.04040	.08560	.06630	-.00070	-.00100	.00220	-.01000	5.53380	1.81850
2.990	22.180	.67260	-.04270	.08460	.06530	-.00120	-.00110	.00230	-.01000	5.43170	1.75780
2.990	23.020	.70670	-.04460	.08380	.06450	-.00080	-.00120	.00230	-.01000	5.37680	1.68200
2.990	23.840	.74060	-.04680	.08270	.06340	-.00120	-.00120	.00240	-.01000	5.26680	1.62890
2.990	24.660	.77430	-.04820	.08170	.06230	-.00120	-.00130	.00250	-.01000	5.27470	1.57580
2.990	25.480	.80950	-.05020	.08070	.06130	-.00140	-.00130	.00260	-.02000	5.19620	1.54550
2.990	26.310	.84590	-.05250	.08000	.06050	-.00100	-.00130	.00260	-.02000	5.16470	1.49240
2.990	27.130	.88140	-.05420	.07890	.05940	-.00160	-.00110	.00290	-.02000	5.15690	1.46960
2.990	27.950	.91470	-.05650	.07750	.05800	-.00180	-.00120	.00280	-.02000	5.15690	1.42410
2.990	28.770	.94990	-.05990	.07610	.05660	-.00230	-.00120	.00290	-.02000	5.03120	1.32560
2.990	29.580	.98630	-.06230	.07470	.05520	-.00180	-.00130	.00300	-.02000	5.03120	1.32560
2.990	30.400	1.02060	-.06500	.07340	.05400	-.00210	-.00140	.00300	-.02000	4.92920	1.21940
2.990	31.200	1.05690	-.06730	.07250	.05310	-.00110	-.00140	.00290	-.02000	4.92920	1.21940
2.990	31.990	1.09250	-.07020	.07140	.05200	-.00100	-.00140	.00290	-.02000	4.87420	1.19660
2.990	32.790	1.12690	-.07300	.07040	.05100	-.00150	-.00090	.00250	-.02000	4.77210	1.10560
2.990	33.560	1.16130	-.07550	.06930	.04990	-.00180	-.00050	.00230	-.02000	4.74070	1.11320

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD053)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 90/ 0 RN/L = 10.69

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	34.310	1.19510	-.07800	.06850	.04910	-.00200	-.00030	.00200	-.03000	4.63860	1.02220
2.990	34.860	1.22020	-.08010	.06810	.04870	-.00210	-.00020	.00200	-.03000	4.58360	.95390

LA67 (LTV 552) ORBITER 49-0

(RFD553)

PARAMETRIC DATA

ELEVON *	5.000	AILRON *	2.000
SPOBRK *	55.000	RN/L *	10.000
GRITNO *	.000	RCSP05 *	1.000
BETA *	.000	ALFSHP *	2.000
BDCLAP *	.000	RUDDER *	.000

RUN NO. 1090/ 0 RN/L = 10.60

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-.040	-.04200	-.00540	.11400	.09640	.00100	.00010	.00170	.00000	6.12280	2.04600
2.990	.340	-.03050	-.00540	.11340	.09570	.00110	.00020	.00170	.00000	6.08350	2.03840
2.990	1.130	-.01080	-.00680	.11200	.09420	.00100	.00010	.00170	.00000	6.07570	1.92470
2.990	2.190	.01780	-.00740	.11060	.09260	.00090	.00010	.00170	.00000	6.00500	1.84120
2.990	3.350	.04670	-.00790	.10870	.09060	.00050	.00000	.00150	.00000	5.85580	1.83370
2.990	4.500	.07950	-.00950	.10670	.08830	.00040	-.00010	.00140	.00000	5.80870	1.71230
2.990	5.660	.11260	-.01150	.10430	.08580	.00050	-.00010	.00150	.00000	5.62020	1.65170
2.990	6.860	.14670	-.01300	.10230	.08360	.00030	-.00030	.00150	.00000	5.59670	1.65170
2.990	8.080	.18320	-.01430	.10050	.08170	.00000	-.00040	.00150	.00000	5.58090	1.60610
2.990	9.330	.22350	-.01540	.09930	.08030	-.00040	-.00040	.00140	.00000	5.54170	1.51510
2.990	10.570	.26180	-.01770	.09800	.07890	-.00050	-.00040	.00150	.00000	5.50240	1.49240
2.990	11.840	.30420	-.02000	.09710	.07770	-.00050	-.00060	.00150	-.01000	5.49460	1.43170
2.990	13.110	.34550	-.02150	.09570	.07630	-.00060	-.00050	.00150	-.01000	5.39250	1.42410
2.990	14.390	.38900	-.02350	.09460	.07510	-.00070	-.00060	.00170	-.01000	5.32180	1.38620
2.990	15.700	.43220	-.02600	.09260	.07330	-.00040	-.00050	.00180	-.01000	5.16470	1.34070
2.990	16.990	.47750	-.02850	.09100	.07150	-.00050	-.00070	.00190	-.01000	5.11760	1.28760
2.990	18.310	.52650	-.03170	.08920	.06980	-.00070	-.00080	.00200	-.01000	5.02340	1.24970
2.990	19.620	.57470	-.03510	.08710	.06760	-.00070	-.00070	.00190	-.01000	4.96060	1.19660
2.990	20.930	.62550	-.03810	.08520	.06580	-.00100	-.00090	.00200	-.01000	4.92920	1.18900
2.990	22.260	.67820	-.04150	.08360	.06410	-.00140	-.00100	.00200	-.01000	4.84280	1.12840
2.990	23.600	.73290	-.04510	.08190	.06250	-.00140	-.00100	.00220	-.01000	4.74850	1.15870
2.990	24.950	.78950	-.04820	.08040	.06100	-.00170	-.00110	.00230	-.02000	4.68570	1.11320
2.990	26.310	.84740	-.05190	.07930	.05940	-.00190	-.00100	.00250	-.02000	4.65430	1.08290
2.990	27.660	.90430	-.05570	.07890	.05750	-.00190	-.00100	.00270	-.02000	4.63860	1.08290
2.990	29.050	.96530	-.06010	.07490	.05550	-.00220	-.00110	.00280	-.02000	4.62290	1.00700
2.990	30.420	1.02620	-.06520	.07280	.05340	-.00140	-.00120	.00290	-.02000	4.59150	.99190
2.990	31.760	1.08500	-.07050	.07120	.05180	-.00150	-.00110	.00280	-.02000	4.58360	1.00700
2.990	33.090	1.14630	-.07440	.06970	.05030	-.00170	-.00070	.00250	-.02000	4.54440	.93880
2.990	34.140	1.19200	-.07800	.06870	.04930	-.00190	-.00020	.00220	-.03000	4.56790	.90840
2.990	34.770	1.21960	-.08030	.06840	.04900	-.00220	-.00020	.00210	-.03000	4.55220	.95390
2.990	35.020	1.22960	-.08050	.06780	.04840	-.00220	-.00030	.00210	-.03000	4.57580	.91500

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD054)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 81/ 0 RN/L = 15.30

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CSL	BETA	ELVN-L	ELVN-R
4.591	-.260	-.06070	-.01010	.09480	.09070	.00060	.00110	.00130	.00000	6.72750	2.72860
4.591	.690	-.04090	-.01130	.09140	.08700	.00060	.00110	.00130	.00000	6.77460	2.68300
4.591	1.580	-.02360	-.01330	.09010	.08570	.00100	.00070	.00130	.00000	6.75100	2.62240
4.591	2.370	-.00600	-.01270	.08790	.08370	.00020	.00050	.00110	.00000	6.71960	2.63750
4.591	3.180	.01150	-.01190	.08580	.08120	.00050	.00060	.00110	.00000	6.78250	2.63750
4.591	3.970	.02780	-.01230	.08460	.07990	.00020	.00030	.00090	.00000	6.77460	2.62240
4.591	4.760	.04510	-.01350	.08300	.07860	.00010	.00010	.00090	.00000	6.69610	2.57690
4.591	5.560	.06610	-.01360	.08100	.07650	-.00030	.00000	.00080	.00000	6.68040	2.53900
4.591	6.360	.08450	-.01560	.07970	.07490	.00010	.00000	.00080	.00000	6.71180	2.47830
4.591	7.170	.10550	-.01550	.07880	.07400	-.00050	.00000	.00070	.00000	6.63330	2.47070
4.591	7.970	.12570	-.01480	.07830	.07370	-.00090	-.00010	.00070	.00000	6.60970	2.44040
4.591	8.780	.14390	-.01440	.07800	.07300	-.00030	-.00010	.00090	-.01000	6.65680	2.44790
4.591	9.580	.16670	-.01400	.07740	.07250	-.00060	-.00010	.00100	-.01000	6.57040	2.43280
4.591	10.400	.18850	-.01460	.07660	.07160	-.00090	-.00030	.00090	-.01000	6.57040	2.44790
4.591	11.190	.21030	-.01550	.07620	.07130	-.00080	-.00030	.00110	-.01000	6.44480	2.34940
4.591	12.000	.23200	-.01590	.07570	.07080	-.00100	-.00040	.00110	-.01000	6.33480	2.26660
4.591	12.820	.25720	-.01680	.07490	.06990	-.00110	-.00020	.00120	-.01000	6.21700	2.28110
4.591	13.630	.27940	-.01820	.07430	.06910	-.00080	-.00030	.00120	-.01000	6.15420	2.29630
4.591	14.440	.30640	-.01760	.07370	.06880	-.00130	-.00020	.00120	-.01000	6.02070	2.28110
4.591	15.260	.33190	-.01850	.07310	.06800	-.00140	-.00030	.00110	-.01000	5.98930	2.22040
4.591	16.070	.35570	-.01930	.07260	.06730	-.00100	-.00040	.00120	-.01000	5.96580	2.17490
4.591	16.880	.38220	-.02050	.07210	.06710	-.00100	-.00050	.00130	-.01000	5.82440	2.14460
4.591	17.690	.40720	-.02070	.07160	.06660	-.00080	-.00060	.00130	-.01000	5.76940	2.15220
4.591	18.530	.43450	-.02120	.07070	.06540	-.00100	-.00050	.00120	-.01000	5.76940	2.08390
4.591	19.350	.46350	-.02150	.07030	.06490	-.00130	-.00060	.00120	-.01000	5.67520	2.12180
4.591	20.150	.49170	-.02330	.07020	.06490	-.00120	-.00060	.00130	-.02000	5.57310	2.04600
4.591	20.990	.52180	-.02450	.06970	.06450	-.00160	-.00080	.00130	-.02000	5.47990	1.99290
4.591	21.800	.55170	-.02460	.06950	.06420	-.00180	-.00080	.00130	-.02000	5.47890	2.00810
4.591	22.620	.58450	-.02580	.06930	.06400	-.00190	-.00070	.00130	-.02000	5.39250	1.97780
4.591	23.440	.61460	-.02670	.06910	.06380	-.00160	-.00070	.00150	-.02000	5.34540	1.94740
4.591	24.250	.64770	-.02810	.06890	.06370	-.00140	-.00080	.00160	-.02000	5.23540	1.86400
4.591	25.060	.67970	-.02930	.06870	.06370	-.00150	-.00090	.00170	-.02000	5.24330	1.82610
4.591	25.880	.71110	-.02990	.06830	.06280	-.00170	-.00090	.00160	-.02000	5.16470	1.81850
4.591	26.690	.74620	-.03190	.06790	.06280	-.00200	-.00090	.00160	-.02000	5.10980	1.78060
4.591	27.510	.77790	-.03310	.06750	.06210	-.00210	-.00080	.00150	-.02000	5.02340	1.69720
4.591	28.320	.81100	-.03580	.06700	.06190	-.00220	-.00110	.00140	-.02000	4.98410	1.65920
4.591	29.130	.84690	-.03740	.06670	.06130	-.00230	-.00080	.00140	-.02000	5.00770	1.65920
4.591	29.930	.88120	-.03970	.06630	.06110	-.00240	-.00080	.00140	-.02000	4.97630	1.59860
4.591	30.730	.91480	-.04100	.06580	.06020	-.00270	-.00060	.00130	-.02000	4.89770	1.53030
4.591	31.530	.94800	-.04320	.06530	.06000	-.00290	-.00070	.00120	-.03000	4.84280	1.46210
4.591	32.320	.98320	-.04520	.06510	.05960	-.00280	-.00070	.00130	-.03000	4.77210	1.42410
4.591	33.090	1.01940	-.04690	.06480	.05970	-.00240	-.00080	.00150	-.03000	4.74070	1.41660

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD054)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 81/ 0 RN/L = 15.30

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	33.860	1.05020	-.04920	.06440	.05890	-.00220	-.00100	.00160	-.03000	4.64640	1.32560
4.591	34.500	1.07910	-.05080	.06400	.05850	-.00220	-.00100	.00160	-.03000	4.63860	1.31040
4.591	34.750	1.09310	-.05130	.06450	.05920	-.00220	-.00090	.00160	-.03000	4.63860	1.29000

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LAS7

PAGE 161

LAS7 (LTV 552) ORBITER 49-0

(RFD055)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 115/ 0 RN/L = 8.10

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	.310	-.08080	.07810	.17470	.12830	-.00010	.00180	.00350	.00000	-5.67230	-9.08690
1.510	.180	-.05590	.07370	.17380	.12710	.00010	.00170	.00350	.00000	-5.59380	-9.08690
1.510	.860	-.02320	.06750	.17290	.12630	.00030	.00160	.00350	.00000	-5.56240	-9.06420
1.510	1.460	.00790	.06210	.17150	.12450	.00010	.00160	.00330	.00000	-5.59380	-9.13240
1.510	2.020	.03330	.05710	.17040	.12340	.00030	.00160	.00330	.00000	-5.65660	-9.08690
1.510	2.540	.06060	.05240	.16870	.12130	.00010	.00140	.00320	.00000	-5.62520	-9.17790
1.510	3.060	.08650	.04820	.16820	.12100	.00050	.00130	.00330	.00000	-5.65660	-9.17790
1.510	3.580	.11270	.04420	.16700	.11970	.00080	.00120	.00320	.00000	-5.64090	-9.23100
1.510	4.100	.13480	.03990	.16510	.11750	.00100	.00130	.00320	.00000	-5.62520	-9.19310
1.510	4.630	.16090	.03610	.16380	.11610	.00060	.00110	.00300	.00000	-5.61730	-9.21580
1.510	5.160	.18820	.03220	.16260	.11490	.00110	.00100	.00290	.00000	-5.64090	-9.29930
1.510	5.690	.21200	.02780	.16120	.11330	.00170	.00160	.00300	.00000	-5.69590	-9.29170
1.510	6.220	.23920	.02380	.16040	.11220	.00180	.00080	.00300	.00000	-5.67230	-9.33720
1.510	6.750	.26580	.02040	.15910	.11070	.00170	.00070	.00310	.00000	-5.69590	-9.39780
1.510	7.260	.29240	.01590	.15810	.10980	.00150	.00070	.00310	.00000	-5.79790	-9.44330
1.510	7.830	.31600	.01220	.15650	.10810	.00160	.00060	.00300	.00000	-5.78220	-9.48130
1.510	8.320	.34290	.00810	.15520	.10710	.00090	.00060	.00300	.00000	-5.87650	-9.51160
1.510	8.830	.36620	.00430	.15370	.10580	.00100	.00060	.00290	-.01000	-5.94720	-9.51920
1.510	9.360	.39270	.00110	.15180	.10380	.00070	.00040	.00270	.00000	-6.00210	-9.57230
1.510	9.900	.41790	-.00210	.15100	.10310	.00040	.00040	.00210	-.01000	-5.93930	-9.61020
1.510	10.420	.43990	-.00550	.14890	.10100	.00110	.00050	.00190	-.01000	-6.13560	-9.66330
1.510	10.940	.46550	-.00850	.14780	.10010	.00090	.00040	.00170	-.01000	-6.18270	-9.79990
1.510	11.470	.48970	-.01060	.14700	.09910	.00110	.00030	.00150	-.01000	-6.37120	-9.87600
1.510	12.000	.51390	-.01260	.14590	.09780	.00070	.00020	.00140	-.01000	-6.59110	-9.98940
1.510	12.510	.53700	-.01530	.14500	.09670	.00130	.00030	.00130	-.01000	-6.87380	-10.11070
1.510	13.040	.55090	-.01650	.14430	.09600	.00080	.00040	.00120	-.01000	-7.09370	-10.16380
1.510	13.580	.59440	-.01810	.14330	.09470	.00050	.00050	.00130	-.01000	-7.17220	-10.31550
1.510	14.090	.60790	-.01900	.14160	.09280	.00060	.00040	.00140	-.01000	-7.35070	-10.45960
1.510	14.630	.63050	-.02040	.14130	.09230	.00070	.00050	.00130	-.01000	-7.46290	-10.59610
1.510	15.150	.65340	-.02150	.13990	.09030	.00060	.00050	.00150	-.01000	-7.53350	-10.66430
1.510	15.660	.67680	-.02190	.13930	.08690	.00100	.00050	.00160	-.01000	-7.62770	-10.80980
1.510	16.180	.70020	-.02370	.13870	.08740	.00090	.00060	.00170	-.01000	-7.76120	-11.02080
1.510	16.720	.72760	-.02510	.13820	.08650	.00140	.00060	.00180	-.01000	-7.83190	-11.16490
1.510	17.220	.75050	-.02620	.13730	.08490	.00070	.00060	.00210	-.01000	-7.94180	-11.40750
1.510	17.740	.77080	-.02690	.13680	.08360	.00050	.00060	.00210	-.01000	-8.12240	-11.64260
1.510	18.260	.79780	-.02750	.13630	.08270	.00130	.00050	.00210	-.01000	-8.31090	-11.73370
1.510	18.760	.81980	-.02820	.13560	.08090	.00100	.00050	.00200	-.01000	-8.37370	-11.86260
1.510	19.290	.84440	-.02940	.13500	.07960	.00140	.00050	.00200	-.01000	-8.56220	-11.94600
1.510	19.790	.86810	-.03050	.13410	.07800	.00060	.00050	.00210	-.01000	-8.71930	-12.11280
1.510	20.280	.89980	-.03000	.13240	.07570	.00140	.00060	.00210	-.02000	-8.95480	-12.15080
1.510	20.780	.91330	-.03020	.13110	.07410	.00120	.00060	.00220	-.02000	-9.16690	-12.25690
1.510	21.240	.93420	-.03050	.13020	.07310	.00100	.00060	.00230	-.02000	-9.26110	-12.31000

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD055)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 115/ 0 RN/L = 8.10

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CEL	BETA	ELVN-L	ELVN-R
1.510	21.560	.94440	-.03120	.12890	.07150	.00020	.00060	.00240	-.02000	-9.28470	-12.44650

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD055)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 102/ 0 RN/L = 8.31

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	.420	-.08850	.05040	.14950	.11830	.00320	.00030	.00210	.00000	-8.20100	-10.85390
2.010	.130	-.06770	.04800	.14830	.11710	.00300	.00020	.00210	.00000	-8.21670	-10.86910
2.010	.820	-.04050	.04480	.14670	.11540	.00330	.00020	.00200	.00000	-8.26380	-10.88430
2.010	1.410	-.01730	.04090	.14590	.11440	.00310	.00020	.00190	.00000	-8.24020	-10.87670
2.010	1.990	.00450	.03770	.14470	.11310	.00250	.00010	.00190	.00000	-8.33450	-10.95250
2.010	2.530	.02490	.03500	.14390	.11220	.00240	.00010	.00190	.00000	-8.34230	-10.96770
2.010	3.050	.04520	.03330	.14330	.11150	.00300	.00000	.00180	.00000	-8.35020	-10.93740
2.010	3.580	.06500	.03060	.14210	.11020	.00260	.00000	.00190	.00000	-8.41300	-10.98290
2.010	4.080	.08270	.02740	.14090	.10900	.00250	.00000	.00180	.00000	-8.42870	-10.99040
2.010	4.620	.10370	.02550	.13960	.10770	.00250	-.00010	.00170	.00000	-8.49150	-11.01320
2.010	5.150	.12280	.02310	.13840	.10660	.00210	-.00020	.00160	.00000	-8.52290	-11.03590
2.010	5.660	.13970	.02060	.13700	.10510	.00220	-.00020	.00150	.00000	-8.54650	-11.03590
2.010	6.190	.16080	.01780	.13600	.10400	.00200	-.00020	.00150	.00000	-8.60930	-11.10420
2.010	6.710	.18030	.01560	.13510	.10300	.00190	-.00030	.00150	.00000	-8.70360	-11.10420
2.010	7.260	.20900	.01410	.13430	.10220	.00260	-.00030	.00150	.00000	-8.85280	-11.08140
2.010	7.790	.21970	.01250	.13310	.10100	.00210	-.00040	.00150	.00000	-9.06480	-11.10420
2.010	8.320	.23740	.01060	.13190	.09980	.00180	-.00040	.00140	.00000	-9.06480	-11.21800
2.010	8.860	.25860	.01010	.13080	.09860	.00200	-.00050	.00140	.00000	-9.13550	-11.21800
2.010	9.380	.27840	.00840	.12950	.09720	.00160	-.00040	.00140	.00000	-9.17470	-11.27100
2.010	9.930	.29850	.00780	.12850	.09630	.00210	-.00040	.00140	.00000	-9.22970	-11.36200
2.010	10.470	.31820	.00710	.12710	.09480	.00160	-.00050	.00140	.00000	-9.23760	-11.32410
2.010	10.990	.33830	.00720	.12580	.09340	.00170	-.00050	.00140	-.01000	-9.30820	-11.36200
2.010	11.550	.35970	.00640	.12470	.09220	.00190	-.00050	.00130	-.01000	-9.33180	-11.39240
2.010	12.060	.37900	.00550	.12330	.09050	.00120	-.00050	.00130	-.01000	-9.37890	-11.43030
2.010	12.620	.40080	.00530	.12270	.08950	.00170	-.00050	.00130	-.01000	-9.46530	-11.49860
2.010	13.150	.42140	.00500	.12170	.08800	.00190	-.00050	.00120	-.01000	-9.45740	-11.49100
2.010	13.660	.44140	.00460	.12060	.08620	.00120	-.00060	.00120	-.01000	-9.41030	-11.53650
2.010	14.200	.46230	.00360	.11970	.08470	.00150	-.00060	.00120	-.01000	-9.43390	-11.58200
2.010	14.710	.48270	.00230	.11900	.08350	.00160	-.00070	.00120	-.01000	-9.55170	-11.68810
2.010	15.240	.50430	.00160	.11830	.08250	.00180	-.00070	.00120	-.01000	-9.70090	-11.68810
2.010	15.760	.52640	.00060	.11760	.08140	.00210	-.00070	.00120	-.01000	-9.93650	-11.73370
2.010	16.270	.54530	-.00030	.11690	.08050	.00220	-.00060	.00110	-.01000	-10.06210	-11.77920
2.010	16.810	.56800	-.00130	.11610	.07950	.00170	-.00050	.00090	-.01000	-10.25060	-11.81710
2.010	17.330	.58790	-.00120	.11520	.07830	.00180	-.00050	.00100	-.01000	-10.29770	-12.09770
2.010	17.850	.60830	-.00160	.11410	.07710	.00190	-.00050	.00110	-.01000	-10.48620	-12.38590
2.010	18.370	.62910	-.00250	.11320	.07610	.00160	-.00040	.00110	-.01000	-10.60400	-12.55270
2.010	18.860	.65020	-.00410	.11220	.07500	.00180	-.00030	.00110	-.01000	-10.65890	-12.67400
2.010	19.400	.67220	-.00420	.11140	.07410	.00170	-.00040	.00110	-.01000	-10.73750	-12.82570
2.010	19.880	.69170	-.00520	.11040	.07300	.00140	-.00050	.00110	-.01000	-10.88670	-12.93950
2.010	20.390	.70980	-.00570	.10920	.07150	.00180	-.00040	.00110	-.01000	-10.95740	-12.96220
2.010	20.900	.73030	-.00720	.10820	.07040	.00200	-.00060	.00110	-.01000	-11.00450	-13.06080
2.010	21.400	.75020	-.00790	.10740	.06950	.00130	-.00070	.00100	-.01000	-11.10660	-13.18220

LA67 (LTV 552) ORBITER 49-0

(RFD055)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 102/ 0 RN/L = 8.31

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	21.870	.76900	-.00940	.10620	.06790	.00180	-.00070	.00110	-.01000	-11.12230	-13.28070
2.010	22.290	.78770	-.01090	.10550	.06690	.00150	-.00090	.00110	-.01000	-11.25580	-13.32620
2.010	22.540	.80020	-.01160	.10520	.06630	.00120	-.00080	.00100	-.01000	-11.29500	-13.34900

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD555)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1115/ 0 RN/L = 8.06

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
1.510	-.390	-.08440	.07910	.17460	.12820	.00000	.00180	.00370	.00000	-5.69590	-9.17790
1.510	-.070	-.07000	.07560	.17450	.12810	-.00020	.00180	.00360	.00000	-5.74300	-9.17790
1.510	.220	-.05320	.07320	.17380	.12720	-.00030	.00170	.00360	.00000	-5.71940	-9.25370
1.510	.640	-.03120	.06850	.17310	.12630	.00000	.00170	.00350	.00000	-5.83720	-9.23100
1.510	1.140	-.00600	.06380	.17170	.12450	-.00070	.00160	.00330	.00000	-5.88430	-9.26130
1.510	1.700	.02240	.05950	.17080	.12360	-.00030	.00150	.00330	.00000	-6.02570	-9.34480
1.510	2.280	.04970	.05500	.16970	.12240	-.00010	.00150	.00320	.00000	-6.09640	-9.40540
1.510	2.870	.07860	.04990	.16830	.12090	.00030	.00130	.00320	.00000	-6.22200	-9.48130
1.510	3.460	.10760	.04520	.16700	.11960	.00030	.00120	.00310	.00000	-6.26130	-9.51160
1.510	4.050	.13530	.04080	.16550	.11810	.00110	.00120	.00290	.00000	-6.37120	-9.61020
1.510	4.660	.16400	.03610	.16390	.11650	.00050	.00110	.00290	.00000	-6.48900	-9.64810
1.510	5.240	.19260	.03190	.16270	.11520	.00110	.00110	.00270	.00000	-6.58320	-9.75430
1.510	5.830	.22180	.02690	.16070	.11290	.00060	.00100	.00270	.00000	-6.74820	-9.79980
1.510	6.450	.25210	.02330	.15960	.11200	.00150	.00090	.00260	.00000	-6.82670	-9.92870
1.510	7.050	.28100	.01830	.15770	.10990	.00070	.00080	.00250	.00000	-6.89740	-9.92870
1.510	7.670	.30990	.01360	.15610	.10820	.00100	.00080	.00240	-.01000	-6.91310	-10.03490
1.510	8.300	.33980	.00960	.15490	.10720	.00030	.00070	.00240	.00000	-6.94450	-10.14110
1.510	8.940	.37220	.00590	.15350	.10590	.00060	.00060	.00220	-.01000	-7.03090	-10.19410
1.510	9.560	.40040	.00150	.15190	.10410	-.00010	.00050	.00200	.00000	-7.22720	-10.30030
1.510	10.190	.42910	-.00110	.15030	.10220	.00030	.00040	.00150	-.01000	-7.47850	-10.48230
1.510	10.840	.45980	-.00480	.14940	.10140	-.00010	.00040	.00120	-.01000	-7.80050	-10.66430
1.510	11.460	.48770	-.00750	.14790	.09950	.00030	.00040	.00100	-.01000	-8.05960	-10.88430
1.510	12.100	.51660	-.00990	.14660	.09800	.00020	.00040	.00100	-.01000	-8.45230	-11.10420
1.510	12.750	.54460	-.01180	.14530	.09630	.00080	.00040	.00100	-.01000	-8.70360	-11.42270
1.510	13.400	.57530	-.01420	.14400	.09500	.00040	.00050	.00130	-.01000	-8.81350	-11.65020
1.510	14.030	.60250	-.01590	.14250	.09270	.00090	.00070	.00150	-.01000	-8.88420	-11.85500
1.510	14.680	.63120	-.01760	.14140	.09120	.00000	.00070	.00170	-.01000	-9.08050	-12.02940
1.510	15.330	.66020	-.01900	.14000	.08860	.00080	.00070	.00180	-.01000	-9.16690	-12.10530
1.510	15.990	.69210	-.02100	.13950	.08730	.00030	.00080	.00190	-.01000	-9.24540	-12.27970
1.510	16.630	.72130	-.02260	.13870	.08560	.00020	.00070	.00200	-.01000	-9.26110	-12.35550
1.510	17.260	.75110	-.02470	.13760	.08370	.00030	.00070	.00210	-.01000	-9.24540	-12.37930
1.510	17.910	.78000	-.02630	.13680	.08220	.00030	.00060	.00200	-.01000	-9.23760	-12.42380
1.510	18.540	.80960	-.02720	.13580	.08010	.00090	.00060	.00200	-.01000	-9.22180	-12.43140
1.510	19.190	.84130	-.02880	.13490	.07850	.00070	.00060	.00210	-.01000	-9.22970	-12.41620
1.510	19.790	.86800	-.02940	.13380	.07690	.00080	.00060	.00210	-.02000	-9.27680	-12.46930
1.510	20.330	.89420	-.03070	.13270	.07560	.00050	.00060	.00220	-.02000	-9.29250	-12.49200
1.510	20.780	.91100	-.03040	.13110	.07370	.00070	.00060	.00220	-.02000	-9.26110	-12.49960
1.510	21.170	.93190	-.03050	.13060	.07340	.00090	.00070	.00230	-.02000	-9.26110	-12.47690
1.510	21.430	.94100	-.03070	.12990	.07250	.00040	.00070	.00240	-.02000	-9.26110	-12.52240
1.510	21.680	.95070	-.03110	.12890	.07140	.00020	.00070	.00240	-.02000	-9.27680	-12.50720

LA67 (LTV 552) ORBITER 49-0

(RFD555)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1102/ 0 RN/L = 8.24

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.010	.070	-.06770	.04710	.14840	.11680	.00280	.00020	.00210	.00000	-8.52290	-10.96010
2.010	.320	-.05860	.04620	.14830	.11670	.00280	.00020	.00200	.00000	-8.71140	-11.03590
2.010	.680	-.04350	.04400	.14770	.11600	.00280	.00020	.00200	.00000	-8.93910	-11.07390
2.010	1.150	-.02670	.04210	.14690	.11500	.00270	.00020	.00190	.00000	-9.15900	-11.20280
2.010	1.660	-.00610	.03950	.14600	.11420	.00250	.00010	.00190	.00000	-9.26900	-11.29380
2.010	2.220	.01590	.03720	.14470	.11270	.00220	.00010	.00170	.00000	-9.39460	-11.39240
2.010	2.790	.03590	.03410	.14380	.11170	.00240	.00000	.00170	.00000	-9.48880	-11.47580
2.010	3.370	.05740	.03150	.14310	.11110	.00260	.00000	.00170	.00000	-9.66950	-11.54410
2.010	3.970	.07890	.02930	.14140	.10920	.00220	.00000	.00160	.00000	-9.66950	-11.62750
2.010	4.540	.10210	.02610	.14030	.10820	.00210	-.00010	.00150	.00000	-9.77940	-11.64260
2.010	5.140	.12250	.02420	.13860	.10640	.00180	-.00010	.00130	.00000	-9.81870	-11.74120
2.010	5.720	.14390	.02090	.13790	.10560	.00190	-.00030	.00130	.00000	-9.88940	-11.72610
2.010	6.310	.16540	.01860	.13620	.10380	.00190	-.00020	.00120	.00000	-9.96790	-11.77160
2.010	6.920	.18650	.01700	.13550	.10310	.00190	-.00040	.00120	.00000	-10.06210	-11.88530
2.010	7.510	.20930	.01450	.13450	.10200	.00190	-.00040	.00110	.00000	-10.31340	-11.91570
2.010	8.140	.23190	.01280	.13310	.10050	.00180	-.00040	.00100	.00000	-10.49400	-11.99910
2.010	8.750	.25460	.01170	.13120	.09850	.00160	-.00050	.00100	.00000	-10.69040	-12.13560
2.010	9.370	.27690	.01060	.12980	.09690	.00150	-.00030	.00100	.00000	-10.80030	-12.31760
2.010	9.990	.30050	.00990	.12880	.09580	.00130	-.00050	.00090	.00000	-10.93380	-12.46930
2.010	10.620	.32450	.00960	.12750	.09420	.00120	-.00050	.00090	.00000	-11.08300	-12.60580
2.010	11.260	.34700	.00910	.12610	.09250	.00120	-.00050	.00100	.00000	-11.15370	-12.71200
2.010	11.900	.37110	.00780	.12420	.09000	.00130	-.00050	.00100	-.01000	-11.13800	-12.71950
2.010	12.530	.39720	.00800	.12310	.08830	.00090	-.00040	.00090	-.01000	-11.18510	-12.82570
2.010	13.170	.42210	.00760	.12200	.08650	.00080	-.00050	.00100	-.01000	-11.13800	-12.90910
2.010	13.820	.44970	.00610	.12110	.08500	.00110	-.00060	.00110	-.01000	-11.14580	-12.98500
2.010	14.460	.47330	.00440	.11970	.08330	.00150	-.00060	.00110	-.01000	-11.21650	-12.99260
2.010	15.120	.49870	.00310	.11920	.08230	.00160	-.00060	.00120	-.01000	-11.14580	-13.03050
2.010	15.760	.52580	.00270	.11840	.08120	.00140	-.00070	.00120	-.01000	-11.14580	-13.12310
2.010	16.410	.55290	.00140	.11730	.07990	.00140	-.00060	.00110	-.01000	-11.17720	-13.20490
2.010	17.080	.57810	.00020	.11580	.07840	.00150	-.00050	.00120	-.01000	-11.24010	-13.25040
2.010	17.710	.60360	-.00180	.11440	.07680	.00160	-.00040	.00110	-.01000	-11.28720	-13.24280
2.010	18.330	.62990	-.00320	.11320	.07540	.00170	-.00040	.00110	-.01000	-11.25590	-13.28070
2.010	18.970	.65610	-.00420	.11200	.07400	.00150	-.00040	.00100	-.01000	-11.25560	-13.30350
2.010	19.620	.68320	-.00540	.11100	.07280	.00120	-.00040	.00100	-.01000	-11.35000	-13.32620
2.010	20.250	.70610	-.00690	.10940	.07090	.00170	-.00050	.00100	-.01000	-11.36570	-13.35660
2.010	20.850	.73150	-.00730	.10860	.06990	.00140	-.00060	.00100	-.01000	-11.38140	-13.40970
2.010	21.360	.75450	-.00920	.10780	.06890	.00150	-.00070	.00100	-.01000	-11.36570	-13.34960
2.010	21.810	.76930	-.01010	.10620	.06720	.00150	-.00070	.00100	-.01000	-11.40500	-13.37180
2.010	22.190	.78760	-.01070	.10610	.06700	.00110	-.00080	.00100	-.01000	-11.40500	-13.37180
2.010	22.600	.80430	-.01130	.10510	.06600	.00120	-.00080	.00110	-.01000	-11.38930	-13.38690

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD056)

PARAMETRIC DATA

ELEVON = -10.000 AILRON = 2.000
 SPOBRK = 55.000 RN/L = 10.000
 CRITNO = .000 RCSP0S = 1.000
 BETA = .003 ALFSWP = 1.000
 BDFLAP = .000 RUDDER = .000

RUN NO. 91/ 0 RN/L = 10.61

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	-.040	-.06770	.01400	.11400	.09810	.00250	.00050	.00160	.00000	-8.11460	-11.15730
2.990	-.040	-.04310	.01230	.11180	.09580	.00150	.00040	.00150	.00000	-8.18530	-11.22550
2.990	1.810	-.02030	.01210	.11060	.09460	.00180	.00030	.00140	.00000	-8.17740	-11.25590
2.990	2.610	-.00070	.01100	.10950	.09340	.00080	.00020	.00140	.00000	-8.26380	-11.30140
2.990	3.400	.02080	.01060	.10830	.09210	.00130	.00020	.00120	.00000	-8.22450	-11.32410
2.990	4.220	.04220	.00950	.10640	.09000	.00070	.00000	.00120	.00000	-8.27950	-11.34690
2.990	5.020	.06490	.00840	.10430	.08780	.00060	.00000	.00110	.00000	-8.24020	-11.33930
2.990	5.820	.08790	.00730	.10270	.08600	.00080	.00000	.00100	.00000	-8.34230	-11.43030
2.990	6.630	.11120	.00600	.10100	.08420	.00030	.00000	.00100	.00000	-8.32660	-11.46060
2.990	7.450	.13580	.00590	.09960	.08260	.00040	-.00010	.00100	.00000	-8.35800	-11.51370
2.990	8.270	.15870	.00600	.09840	.08130	.00030	-.00010	.00100	.00000	-8.35020	-11.55920
2.990	9.070	.18350	.00540	.09720	.07980	-.00020	-.00010	.00100	.00000	-8.39730	-11.54410
2.990	9.880	.20770	.00510	.09620	.07860	.00030	-.00010	.00100	-.01000	-8.35800	-11.61990
2.990	10.700	.23380	.00440	.09530	.07760	-.00030	-.00020	.00100	-.01000	-8.43660	-11.64260
2.990	11.520	.26040	.00470	.09460	.07680	-.00020	-.00020	.00100	-.01000	-8.47520	-11.68810
2.990	12.350	.28740	.00360	.09390	.07590	-.00030	-.00020	.00100	-.01000	-8.45230	-11.66540
2.990	13.160	.31330	.00230	.09300	.07480	-.00010	-.00020	.00090	-.01000	-8.65640	-11.66540
2.990	13.970	.34060	.00180	.09170	.07330	-.00040	-.00020	.00090	-.01000	-8.85280	-11.72610
2.990	14.790	.36580	.00090	.09080	.07230	.00030	-.00030	.00090	-.01000	-9.10410	-11.76400
2.990	15.610	.39310	-.00100	.08990	.07130	-.00050	-.00020	.00080	-.01000	-9.07260	-11.72610
2.990	16.440	.42160	-.00100	.08880	.07020	-.00050	-.00030	.00080	-.01000	-9.19830	-11.75640
2.990	17.250	.44990	-.00220	.08740	.06860	-.00060	-.00040	.00070	-.01000	-9.54380	-11.80950
2.990	18.070	.47820	-.00250	.08630	.06740	-.00070	-.00040	.00060	-.01000	-9.97570	-11.96870
2.990	18.890	.50610	-.00330	.08490	.06590	-.00030	-.00050	.00060	-.01000	-10.01500	-12.25690
2.990	19.720	.53540	-.00440	.08350	.06450	-.00030	-.00050	.00070	-.01000	-10.08570	-12.43140
2.990	20.530	.56510	-.00530	.08210	.06300	-.00090	-.00040	.00070	-.01000	-10.10920	-12.52240
2.990	21.360	.59540	-.00600	.08070	.06150	-.00100	-.00040	.00070	-.01000	-10.02290	-12.57550
2.990	22.190	.62650	-.00730	.07940	.06020	-.00090	-.00040	.00090	-.02000	-10.09350	-12.71200
2.990	23.000	.65930	-.00800	.07810	.05880	-.00120	-.00060	.00090	-.02000	-10.10140	-12.75750
2.990	23.820	.69170	-.00970	.07690	.05750	-.00080	-.00060	.00090	-.02000	-10.14070	-12.88640
2.990	24.630	.72270	-.01060	.07560	.05620	-.00090	-.00080	.00100	-.02000	-10.17990	-12.93190
2.990	25.460	.75730	-.01160	.07460	.05520	-.00150	-.00070	.00090	-.02000	-10.22700	-12.99260
2.990	26.280	.79140	-.01320	.07320	.05370	-.00170	-.00060	.00090	-.02000	-10.22700	-13.05320
2.990	27.100	.82250	-.01320	.07150	.05200	-.00150	-.00070	.00090	-.02000	-10.29770	-13.09870
2.990	27.910	.85360	-.01460	.07020	.05080	-.00160	-.00090	.00100	-.02000	-10.32130	-13.18220
2.990	28.720	.88950	-.01570	.06890	.04940	-.00150	-.00080	.00100	-.02000	-10.38410	-13.25040
2.990	29.530	.92150	-.01680	.06700	.04760	-.00120	-.00080	.00110	-.02000	-10.47830	-13.31670
2.990	30.340	.95540	-.01900	.06540	.04600	-.00110	-.00110	.00110	-.02000	-10.54120	-13.39450
2.990	31.130	.98930	-.02080	.06330	.04400	-.00080	-.00080	.00100	-.02000	-10.69040	-13.44760
2.990	31.920	1.02400	-.02220	.06150	.04220	-.00110	-.00050	.00090	-.02000	-10.71390	-13.47030
2.990	32.710	1.05880	-.02480	.06020	.04100	-.00130	-.00030	.00060	-.03000	-10.77670	-13.57650
2.990	33.510	1.09290	-.02540	.05920	.04010	-.00170	.00020	.00040	-.03000	-10.88670	-13.56130

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD056)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 91/ 0 RN/L = 10.61

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	34.240	1.12500	-.02750	.05910	.03900	-.00170	.00030	.00020	-.03000	-10.87100	-13.65990
2.990	34.850	1.15090	-.02850	.05750	.03840	-.00130	.00030	.00010	-.03000	-10.89450	-13.72060
2.990	35.050	1.16120	-.02920	.05750	.03850	-.00130	.00020	.00020	-.03000	-11.02020	-13.73580

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD556)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SFDRK =	55.000	RN/L =	10.000
GRITND =	.000	RCSPGS =	1.000
BETA =	.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1091/ 0 RN/L = 10.50

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
2.990	.010	-.06630	.01540	.11410	.09720	.00160	.00060	.00140	.00000	-9.35540	-11.74880
2.990	.440	-.05560	.01400	.11320	.09620	.00150	.00050	.00130	.00000	-9.41820	-11.82470
2.990	1.280	-.03420	.01380	.11170	.09440	.00100	.00040	.00130	.00000	-9.56740	-11.81710
2.990	2.370	-.00630	.01270	.11010	.09260	.00080	.00040	.00120	.00000	-9.85010	-11.91570
2.990	3.520	.02370	.01200	.10810	.09030	.00050	.00020	.00100	.00000	-10.01500	-12.09770
2.990	4.670	.05510	.01090	.10560	.08760	.00040	.00010	.00090	.00000	-10.21920	-12.37070
2.990	5.830	.08860	.00890	.10290	.08470	.00000	.00000	.00080	.00000	-10.40770	-12.62100
2.990	7.030	.12240	.00860	.10070	.08240	-.00050	.00000	.00070	.00000	-10.67470	-12.77260
2.990	8.250	.15850	.00710	.09880	.08030	-.00040	.00000	.00070	.00000	-10.73750	-12.93950
2.990	9.490	.19640	.00780	.09700	.07830	-.00030	.00000	.00080	-.01000	-10.73750	-13.07600
2.990	10.740	.23560	.00760	.09550	.07670	-.00050	.00000	.00080	-.01000	-10.83960	-13.22010
2.990	12.030	.27410	.00610	.09410	.07500	-.00080	-.00010	.00070	-.01000	-10.83170	-13.32620
2.990	13.290	.31530	.00480	.09290	.07370	-.00100	-.00010	.00060	-.01000	-10.87880	-13.42480
2.990	14.570	.35770	.00320	.09130	.07210	-.00090	-.00010	.00070	-.01000	-10.81600	-13.47790
2.990	15.880	.40240	.00090	.08950	.07030	-.00090	-.00010	.00070	-.01000	-10.93380	-13.52340
2.990	17.190	.44660	-.00030	.08760	.06820	-.00110	-.00020	.00070	-.01000	-10.86310	-13.50830
2.990	18.490	.49320	-.00240	.08540	.06620	-.00090	-.00030	.00070	-.01000	-10.91810	-13.58410
2.990	19.810	.54160	-.00370	.08320	.06390	-.00090	-.00030	.00070	-.01000	-10.92600	-13.59170
2.990	21.130	.58830	-.00510	.08090	.06150	-.00100	-.00030	.00070	-.02000	-10.88670	-13.56890
2.990	22.460	.64120	-.00720	.07890	.05940	-.00120	-.00030	.00080	-.02000	-10.91810	-13.59170
2.990	23.790	.69150	-.00900	.07660	.05730	-.00130	-.00060	.00080	-.02000	-10.94170	-13.62200
2.990	25.130	.74670	-.01050	.07470	.05550	-.00140	-.00050	.00090	-.02000	-10.93380	-13.63720
2.990	26.510	.80080	-.01310	.07220	.05300	-.00150	-.00070	.00080	-.02000	-10.88670	-13.58270
2.990	27.860	.85590	-.01520	.06990	.05080	-.00160	-.00080	.00090	-.02000	-10.94950	-13.69030
2.990	29.250	.91270	-.01760	.06730	.04840	-.00130	-.00080	.00100	-.02000	-11.00450	-13.69790
2.990	30.620	.97120	-.02020	.06430	.04530	-.00110	-.00080	.00100	-.02000	-10.96520	-13.65990
2.990	31.980	1.03140	-.02390	.06150	.04240	-.00130	-.00040	.00090	-.02000	-10.96520	-13.72820
2.990	33.280	1.08720	-.02610	.05950	.04050	-.00150	.00000	.00050	-.03000	-10.99660	-13.68270
2.990	34.270	1.12860	-.02740	.05840	.03930	-.00120	.00050	.00030	-.03000	-11.04370	-13.69030
2.990	34.970	1.15770	-.02830	.05710	.03810	-.00070	.00050	.00020	-.03000	-10.99660	-13.69030

LA67 (LTV 552) ORBITER 49-0

(RFD057)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. B3/ 0 RN/L = 15.26

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	-.470	-.07620	-.00390	.09360	.08890	-.00160	.00070	.00130	.00000	-7.54920	-11.46820
4.591	-.190	-.07210	-.00460	.09380	.08900	-.00050	.00070	.00120	.00000	-7.54130	-11.46060
4.591	.780	-.05250	-.00470	.09080	.08610	-.00010	.00060	.00120	.00000	-7.53350	-11.53650
4.591	1.670	-.03260	-.00370	.08920	.08330	-.00010	.00050	.00110	.00000	-7.56490	-11.52130
4.591	2.480	-.01520	-.00450	.08650	.08170	-.00040	.00050	.00100	.00000	-7.53350	-11.52890
4.591	3.270	.00130	-.00400	.08510	.08020	-.00050	.00040	.00100	.00000	-7.56490	-11.53650
4.591	4.060	.01610	-.00360	.08400	.07900	-.00060	.00030	.00080	.00000	-7.54920	-11.55920
4.591	4.870	.03580	-.00320	.08220	.07720	-.00040	.00030	.00080	.00000	-7.54920	-11.57440
4.591	5.680	.05290	-.00330	.08050	.07550	.00030	.00030	.00060	.00000	-7.54920	-11.62750
4.591	6.470	.07350	-.00330	.07920	.07400	.00000	.00020	.00060	.00000	-7.56840	-11.60470
4.591	7.290	.09140	-.00250	.07870	.07360	.00020	.00020	.00050	-.01000	-7.58840	-11.60470
4.591	8.090	.11140	-.00240	.07820	.07300	-.00040	.00010	.00050	-.01000	-7.54920	-11.62750
4.591	8.910	.13070	-.00130	.07750	.07220	-.00020	.00000	.00050	-.01000	-7.56490	-11.62750
4.591	9.710	.15160	-.00170	.07670	.07150	.00000	.00010	.00050	-.01000	-7.56490	-11.65780
4.591	10.530	.17340	-.00070	.07600	.07060	-.00060	.00000	.00050	-.01000	-7.61200	-11.63510
4.591	11.340	.19270	.00020	.07540	.07000	-.00070	.00000	.00050	-.01000	-7.60410	-11.68060
4.591	12.140	.21670	.00050	.07450	.06930	-.00100	.00000	.00050	-.01000	-7.58840	-11.65020
4.591	12.950	.23850	.00050	.07390	.06870	-.00110	.00000	.00050	-.01000	-7.60410	-11.71090
4.591	13.770	.26310	.00080	.07310	.06780	-.00110	.00000	.00050	-.01000	-7.61200	-11.66540
4.591	14.590	.28500	.00020	.07250	.06700	-.00090	.00000	.00050	-.01000	-7.62770	-11.73370
4.591	15.390	.30980	.00100	.07160	.06630	-.00110	.00000	.00040	-.01000	-7.69840	-11.75640
4.591	16.210	.33560	.00080	.07090	.06560	-.00090	.00000	.00040	-.01000	-7.96540	-11.85500
4.591	17.030	.35990	.00120	.07020	.06470	-.00080	.00000	.00050	-.01000	-8.12240	-11.86260
4.591	17.860	.38710	.00110	.06930	.06390	-.00120	-.00010	.00040	-.01000	-8.18530	-11.90810
4.591	18.670	.41330	.00100	.06870	.06320	-.00110	-.00010	.00050	-.02000	-8.24020	-11.96120
4.591	19.500	.44040	.00110	.06820	.06260	-.00110	-.00010	.00050	-.02000	-8.35020	-12.02940
4.591	20.330	.46720	.00210	.06740	.06190	-.00160	-.00020	.00040	-.02000	-8.44440	-12.17350
4.591	21.160	.49590	.00230	.06700	.06160	-.00150	-.00010	.00050	-.02000	-8.60930	-12.21900
4.591	21.970	.52460	.00250	.06680	.06120	-.00200	.00000	.00040	-.02000	-8.66000	-12.38590
4.591	22.800	.55390	.00240	.06640	.06100	-.00200	-.00010	.00040	-.02000	-9.00200	-12.43890
4.591	23.620	.58350	.00130	.06570	.05990	-.00150	-.00010	.00050	-.02000	-9.04910	-12.43990
4.591	24.430	.61290	.00170	.06510	.05950	-.00130	-.00020	.00050	-.02000	-9.02550	-12.50720
4.591	25.260	.64440	.00120	.06470	.05910	-.00160	-.00030	.00050	-.02000	-9.11190	-12.59060
4.591	26.070	.67500	.00180	.06430	.05880	-.00120	-.00030	.00050	-.02000	-9.15120	-12.71950
4.591	26.900	.70730	.00200	.06370	.05820	-.00140	-.00030	.00050	-.02000	-9.08050	-12.75750
4.591	27.720	.73950	.00220	.06320	.05770	-.00170	-.00020	.00050	-.02000	-9.17470	-12.79540
4.591	28.520	.77170	.00150	.06240	.05710	-.00160	-.00020	.00040	-.02000	-9.26110	-12.81810
4.591	29.330	.80350	.00040	.06180	.05630	-.00180	.00000	.00030	-.03000	-9.27690	-12.84090
4.591	30.130	.83740	-.00070	.06110	.05560	-.00220	-.00010	.00030	-.03000	-9.35530	-12.85610
4.591	30.930	.86930	-.00120	.06030	.05480	-.00200	.00000	.00010	-.03000	-9.45740	-12.93950
4.591	31.730	.90320	-.00200	.05950	.05410	-.00190	.00000	.00020	-.03000	-9.59310	-12.99260
4.591	32.510	.93590	-.00260	.05890	.05360	-.00180	-.00020	.00030	-.03000	-9.58310	-13.01530

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD057)

PARAMETRIC DATA

ELEVON =	-10.000	ATLRON =	2.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 83/ 0 RN/L = 15.25

MACH	ALPHA	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
4.591	33.300	.96970	-.00480	.05850	.05310	-.00160	-.00030	.00050	-.03000	-9.56740	-13.03050
4.591	34.060	1.00100	-.00520	.05800	.05250	-.00140	-.00040	.00050	-.03000	-9.56740	-13.07600
4.591	34.630	1.02540	-.00600	.05740	.05220	-.00120	-.00050	.00060	-.03000	-9.63020	-13.11390

LA67 (LTV 552) ORBITER 49-0

(RFD101)

PARAMETRIC DATA

ALPHA	=	6.000	AILRON	=	.000
SPOBRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSPDS	=	.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 30/ 0 RN/L = 5.04

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
.595	-31.457	-.08820	.17320	.10880	.07990	.00020	-.00020	.00290	-32.83580	-30.07890	5.89000
.595	-30.695	-.08610	.17210	.10680	.07860	-.00030	-.00040	.00260	-31.91700	-29.47210	5.89000
.596	-29.873	-.08300	.17130	.10520	.07730	-.00010	-.00060	.00270	-31.09250	-28.65310	5.90000
.595	-29.272	-.08180	.17010	.10380	.07610	.00000	-.00050	.00290	-30.55850	-27.98570	5.89000
.596	-28.519	-.07640	.16960	.10180	.07340	.00040	-.00010	.00310	-29.73390	-27.30320	5.91000
.596	-27.896	-.07360	.16810	.09970	.07210	.00000	-.00040	.00300	-29.01930	-26.77230	5.91000
.597	-27.221	-.06740	.16750	.09790	.07040	.00000	-.00040	.00300	-28.35180	-26.08980	5.92000
.595	-26.490	-.06700	.16680	.09630	.06920	-.00020	-.00030	.00320	-27.51150	-25.46790	5.91000
.596	-25.852	-.06330	.16560	.09430	.06810	-.00070	-.00030	.00300	-26.80470	-24.89910	5.91000
.596	-25.112	-.06060	.16510	.09300	.06650	.00000	.00000	.00360	-25.87020	-24.35310	5.92000
.596	-24.401	-.05680	.16510	.09080	.06450	-.00100	-.00010	.00320	-25.11630	-23.68570	5.91000
.596	-23.811	-.05510	.16390	.08950	.06410	-.00080	.00000	.00350	-24.73940	-22.88180	5.92000
.596	-22.703	-.04260	.15870	.08290	.05780	-.00090	-.00010	.00330	-21.85730	-23.54920	5.92000
.596	-20.781	-.03190	.15440	.07750	.05320	-.00150	-.00010	.00290	-20.08260	-21.47880	5.92000
.597	-17.827	-.01830	.14940	.07280	.04970	-.00160	.00000	.00230	-18.75540	-16.89820	5.93000
.597	-17.293	-.00530	.14370	.06770	.04490	-.00220	.00020	.00170	-17.05130	-17.53530	5.94000
.595	-15.261	.01940	.13150	.06130	.03860	-.00310	.00040	.00150	-14.61690	-15.90470	5.94000
.596	-12.817	.02770	.12760	.05990	.03720	-.00260	.00080	.00160	-13.65090	-11.98390	5.94000
.597	-10.852	.06560	.11090	.05420	.03200	-.00330	.00040	.00100	-10.90240	-10.80080	5.95000
.597	-10.015	.07340	.10600	.05340	.03080	-.00260	.00050	.00110	-10.28990	-9.73910	5.96000
.597	-9.385	.08570	.10180	.05210	.02980	-.00330	.00090	.00090	-9.62240	-9.14760	5.95000
.597	-8.873	.03580	.09710	.05092	.02850	-.00370	.00090	.00120	-9.18260	-8.56360	5.97000
.595	-8.090	.10620	.09230	.05010	.02700	-.00390	.00090	.00120	-8.17740	-8.00240	5.98000
.595	-7.352	.11660	.08810	.04950	.02600	-.00380	.00090	.00110	-7.37640	-7.32750	5.96000
.596	-6.918	.12560	.08160	.04860	.02550	-.00240	.00070	.00120	-7.07800	-6.75870	5.97000
.597	-6.238	.13550	.07650	.04780	.02550	-.00250	.00080	.00110	-6.33200	-6.14440	5.98000
.596	-5.582	.14790	.07260	.04730	.02360	-.00300	.00070	.00090	-5.87650	-5.28740	5.97000
.599	-4.902	.15590	.06630	.04650	.02360	-.00290	.00090	.00060	-5.12260	-4.68070	5.99000
.598	-4.285	.17040	.06040	.04580	.02270	-.00200	.00100	.00090	-4.57290	-3.99820	5.99000
.595	-3.677	.18150	.05650	.04570	.02170	-.00410	.00090	.00080	-3.80330	-3.55070	5.98000
.595	-3.042	.19300	.05150	.04540	.02060	-.00350	.00060	.00080	-3.03370	-3.05020	5.98000
.596	-2.234	.20040	.04530	.04460	.02050	-.00240	.00120	.00110	-2.14630	-2.32220	5.98000
.596	-1.561	.21270	.04130	.04470	.02050	-.00320	.00080	.00120	-1.34530	-1.77610	6.00000
.596	-.918	.22520	.03560	.04460	.01960	-.00340	.00090	.00110	-.57570	-1.26040	5.99000
.599	-.321	.23520	.03040	.04420	.01940	-.00350	.00100	.00080	-.05740	-.58550	6.01000
.599	.311	.24880	.02430	.04450	.02000	-.00300	.00070	.00090	.34300	.27900	6.01000
.599	.867	.26080	.01830	.04460	.01970	-.00340	.00090	.00090	.72780	1.00700	6.00000
.597	1.592	.26910	.01240	.04430	.01900	-.00240	.00110	.00070	1.61520	1.56820	6.01000
.590	2.376	.28230	.00790	.04500	.01940	-.00330	.00080	.00100	2.69890	2.05360	6.00000
.589	2.956	.28880	.00170	.04460	.01960	-.00220	.00100	.00110	3.12300	2.78920	6.02000
.590	3.417	.30550	-.00210	.04500	.01970	-.00350	.00090	.00110	3.47630	3.35800	6.01000
.598	4.074	.31220	-.00770	.04590	.02030	-.00420	.00120	.00080	4.19880	3.94950	6.01000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD101)

PARAMETRIC DATA

ALPHA =	6.000	A1LRN =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 30/ 0 RN/L = 5.04

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
.611	4.649	.32220	-.01200	.04630	.02020	-.00320	.00160	.00100	4.79570	4.50320	6.03000

LA67 (LTV 552) ORBITER 49-0

(RFD102)

PARAMETRIC DATA

ALPHA =	13.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 31/ 0 RN/L = 5.03

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
.590	-26.931	.26330	.16750	.05950	.02570	-.00080	-.00110	.00070	-28.91720	-24.94460	12.58000
.592	-26.598	.26720	.16730	.05810	.02610	-.00120	-.00130	.00040	-28.50100	-24.69440	12.57000
.593	-25.789	.27350	.16710	.05560	.02460	-.00130	-.00140	.00030	-27.56650	-24.01180	12.60000
.595	-25.126	.27690	.16610	.05340	.02280	-.00230	-.00140	.00040	-26.91470	-23.33690	12.60000
.594	-24.207	.28300	.16500	.05150	.02100	-.00230	-.00140	.00050	-25.94870	-22.46470	12.62000
.595	-23.411	.28230	.16330	.04890	.01980	-.00200	-.00190	.00020	-25.09280	-21.72910	12.61000
.595	-22.939	.28930	.16100	.04680	.01700	-.00200	-.00180	.00010	-24.77080	-21.10720	12.62000
.596	-22.225	.29100	.16030	.04490	.01560	-.00220	-.00180	.00010	-24.05620	-20.39430	12.62000
.595	-20.044	.30870	.15420	.03640	.00930	-.00240	-.00140	-.00010	-20.91500	-19.17340	12.63000
.594	-17.769	.32600	.15000	.03120	.00470	-.00250	-.00150	-.00060	-19.12450	-16.41290	12.63000
.593	-15.739	.36750	.13080	.01980	-.00460	-.00150	-.00090	-.00150	-14.84460	-16.63260	12.65000
.596	-14.540	.37430	.12390	.01780	-.00560	-.00260	-.00090	-.00190	-14.13780	-14.94160	12.65000
.597	-11.866	.39410	.11490	.01480	-.00810	-.00190	-.00100	-.00270	-13.04630	-10.28510	12.65000
.595	-10.826	.40930	.11120	.01290	-.01080	-.00250	-.00110	-.00290	-12.05680	-9.59500	12.66000
.594	-10.043	.42030	.10700	.01180	-.01240	-.00230	-.00110	-.00310	-11.09090	-8.99590	12.67000
.593	-9.433	.42830	.10250	.01080	-.01330	-.00160	-.00100	-.00330	-10.43120	-8.43470	12.67000
.594	-8.785	.44190	.09720	.00930	-.01470	-.00270	-.00120	-.00330	-9.76370	-7.80520	12.68000
.594	-8.257	.45110	.09170	.00840	-.01580	-.00250	-.00110	-.00350	-9.30820	-7.20610	12.69000
.595	-7.401	.46170	.08690	.00760	-.01630	-.00280	-.00100	-.00380	-8.25590	-6.54630	12.69000
.594	-6.721	.47600	.08220	.00660	-.01770	-.00040	-.00090	-.00380	-7.52560	-5.91690	12.69000
.596	-6.072	.48340	.07620	.00600	-.01760	-.00040	-.00100	-.00420	-7.05440	-5.09020	12.66000
.596	-5.458	.49210	.07030	.00500	-.01510	-.00220	-.00100	-.00420	-6.37910	-4.53660	12.68000
.594	-4.930	.50730	.06600	.00450	-.02000	-.00060	-.00090	-.00430	-5.91570	-3.94510	12.70000
.593	-4.291	.52210	.06070	.00380	-.02120	-.00120	-.00090	-.00410	-5.13830	-3.44460	12.69000
.593	-3.697	.53330	.05530	.00330	-.02180	-.00110	-.00090	-.00390	-4.50220	-2.89090	12.69000
.594	-3.003	.54410	.04870	.00280	-.02250	-.00190	-.00050	-.00400	-3.84250	-2.16290	12.69000
.595	-2.252	.55940	.04340	.00270	-.02270	-.00160	-.00050	-.00370	-2.94730	-1.55620	12.70000
.598	-1.635	.56880	.03700	.00220	-.02200	-.00290	-.00060	-.00360	-2.15420	-1.11630	12.71000
.594	-.725	.58230	.03030	.00250	-.02310	-.00340	-.00040	-.00390	-1.23530	-.21390	12.71000
.596	-.054	.59070	.02470	.00220	-.02280	-.00200	-.00050	-.00360	-.58930	.49130	12.72000
.593	.565	.60530	.01990	.00240	-.02370	-.00380	-.00020	-.00410	-.11240	1.24210	12.70000
.594	1.019	.61830	.01350	.00250	-.02280	-.00210	-.00040	-.00370	.29590	1.74270	12.72000
.593	1.590	.63100	.00850	.00300	-.02310	-.00380	-.00020	-.00370	.83770	2.34180	12.71000
.594	2.440	.64000	.00340	.00330	-.02310	-.00360	-.00010	-.00360	1.79580	3.08500	12.72000
.597	3.255	.65260	-.00250	.00400	-.02170	-.00370	-.00010	-.00310	2.88740	3.62340	12.73000
.599	3.777	.66330	-.00980	.00480	-.02110	-.00270	.00020	-.00280	3.24070	4.31360	12.74000
.598	4.476	.67460	-.01530	.00560	-.02140	-.00390	.00040	-.00300	3.95540	4.99610	12.74000
.593	5.048	.68880	-.02050	.00650	-.02090	-.00460	.00030	-.00310	4.57580	5.51940	12.72000
.592	5.599	.68980	-.02520	.00660	-.02020	-.00420	.00050	-.00260	5.10190	6.09580	12.73000
.588	6.006	.70420	-.02900	.00700	-.02020	-.00530	.00020	-.00200	5.63590	6.37640	12.73000
.591	6.602	.71610	-.03430	.00800	-.01920	-.00540	.00040	-.00150	6.35050	6.85410	12.73000
.597	7.340	.73240	-.04100	.00990	-.01750	-.00590	.00050	-.00150	7.11230	7.56700	12.74000

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD102)

PARAMETRIC DATA

ALPHA	=	13.000	AILRON	=	.000
SPDBRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSP0S	=	.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 31/ 0 RN/L = 5.03

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
.607	7.953	.74490	-.04830	.01220	-.01500	-.00560	.00100	-.00110	7.71700	8.18890	12.77000
.612	8.537	.75900	-.05520	.01510	-.01340	-.00650	.00100	-.00050	8.39230	8.68180	12.76000
.616	9.123	.77110	-.06250	.01730	-.01140	-.00640	.00140	.00020	9.14620	9.09890	12.76000

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD103)

PARAMETRIC DATA

ALPHA	=	6.000	ELEVON	=	.000
SPOBRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSP05	=	.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 32/ 0 RN/L = 5.07

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
.599	-9.708	.23490	.02860	.05310	.02590	.02110	-.00670	-.03220	-10.21130	9.20510	6.02000
.601	-9.249	.23750	.02850	.05180	.02570	.02070	-.00640	-.03030	-9.77160	8.72730	6.03000
.601	-8.899	.23830	.02740	.05080	.02500	.01930	-.00620	-.02840	-9.44960	8.34810	6.03000
.600	-8.278	.24170	.02720	.05000	.02420	.01740	-.00560	-.02690	-8.59360	7.96140	6.03000
.599	-7.569	.24230	.02730	.04940	.02300	.01730	-.00540	-.02520	-7.72190	7.41530	6.02000
.599	-7.018	.24260	.02610	.04960	.02230	.01570	-.00470	-.02370	-7.23500	6.80100	6.03000
.599	-6.593	.24180	.02630	.04800	.02190	.01360	-.00470	-.02210	-7.01520	6.17160	6.03000
.599	-5.943	.24000	.02600	.04750	.02170	.01220	-.00420	-.02040	-6.23770	5.64830	6.03000
.599	-5.481	.24150	.02610	.04670	.02090	.01120	-.00390	-.01830	-5.80580	5.15540	6.03000
.598	-4.909	.24450	.02500	.04590	.01940	.01050	-.00320	-.01610	-5.21680	4.60180	6.01000
.600	-4.300	.24510	.02530	.04560	.02030	.00840	-.00300	-.01410	-4.61210	3.98750	6.03000
.599	-3.809	.24170	.02490	.04510	.01910	.00860	-.00250	-.01210	-4.05460	3.56280	6.04000
.598	-3.167	.24540	.02460	.04470	.01870	.00640	-.00180	-.01010	-3.33210	3.00160	6.03000
.600	-2.409	.24280	.02470	.04450	.01880	.00450	-.00140	-.00800	-2.46040	2.35690	6.03000
.600	-1.752	.24370	.02540	.04440	.01830	.00310	-.00110	-.00600	-1.77720	1.72750	6.01000
.599	-1.202	.24510	.02570	.04410	.01810	-.00030	-.00040	-.00370	-1.06260	1.34070	6.03000
.599	-.708	.24470	.02620	.04410	.01770	-.00110	-.00020	-.00190	-.59930	.81740	6.03000
.602	-.177	.24330	.02600	.04400	.01840	-.00180	-.00030	-.00000	-.12020	.23350	6.02000
.602	.314	.24410	.02640	.04420	.01880	-.00350	.00090	.00200	.20950	-.41860	6.01000
.600	.856	.24220	.02560	.04410	.01800	-.00720	.00130	.00420	.61790	-1.09360	6.02000
.597	1.398	.24730	.02700	.04480	.01790	-.00720	.00170	.00620	1.28540	-1.51070	6.03000
.600	2.010	.24590	.02550	.04490	.01900	-.00830	.00240	.00840	2.02350	-1.99610	6.02000
.600	2.831	.24700	.02540	.04480	.01880	-.00980	.00260	.01030	3.00520	-2.65580	6.02000
.602	3.274	.24470	.02460	.04520	.01950	-.01250	.00340	.01270	3.20150	-3.34600	6.02000
.601	3.801	.24530	.02510	.04570	.01990	-.01330	.00370	.01460	3.86110	-3.74030	6.02000
.597	4.315	.24650	.02650	.04620	.01890	-.01590	.00410	.01660	4.41870	-4.21050	6.04000
.599	4.855	.24370	.02570	.04650	.01950	-.01840	.00440	.01880	4.97630	-4.73380	6.02000
.600	5.355	.24250	.02610	.04730	.02040	-.01950	.00500	.02060	5.40030	-5.31020	6.01000
.598	6.023	.24380	.02570	.04830	.02080	-.02010	.00540	.02250	6.06780	-5.97750	6.03000
.600	6.705	.24260	.02640	.04860	.02120	-.02210	.00580	.02460	6.91600	-6.49320	6.01000
.598	7.261	.24490	.02580	.04980	.02210	-.02210	.00610	.02640	7.53630	-6.98620	6.03000
.601	7.767	.24270	.02560	.05010	.02360	-.02270	.00650	.02810	8.03890	-7.49430	6.01000
.596	8.468	.24290	.02560	.05130	.02350	-.02600	.00690	.03040	8.91060	-8.02520	6.03000
.596	8.887	.24470	.02600	.05210	.02380	-.02640	.00730	.03210	9.22470	-8.54850	6.04000
.601	9.435	.23880	.02420	.05290	.02560	-.02920	.00760	.03360	9.78230	-9.08690	6.01000
.601	9.899	.23880	.02480	.05390	.02650	-.03040	.00810	.03540	10.24560	-9.54950	6.01000
.603	10.489	.23950	.02510	.05480	.02710	-.02990	.00850	.03710	10.88170	-10.09560	6.02000
.602	11.230	.24270	.02480	.05540	.02720	-.03220	.00870	.03920	11.67490	-10.78570	6.01000
.602	11.787	.24070	.02420	.05690	.02940	-.03270	.00920	.04060	12.27960	-11.29380	6.02000
.597	12.190	.24710	.02380	.05800	.02880	-.03610	.00960	.04300	12.56230	-11.81710	6.01000
.594	12.750	.24420	.02330	.05980	.03080	-.03590	.01010	.04490	12.97850	-12.52240	6.03000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORB1TER 49-0

(RFD104)

PARAMETRIC DATA

ALPHA	=	13.000	ELEVON	=	.000
SPDBRK	=	25.000	RN/L	=	5.000
GR1TNO	=	120.000	RCSFOS	=	.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 33/ 0 RN/L = 5.09

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
.604	-13.358	.58610	.02390	.02220	-.004	.03680	-.00970	-.04860	-14.75820	11.95800	12.76000
.603	-13.021	.58590	.02430	.02050	-.00580	.03480	-.00940	-.04750	-14.58540	11.45750	12.74000
.604	-12.468	.58240	.02490	.01910	-.00640	.03340	-.00890	-.04570	-13.94150	10.99490	12.76000
.602	-11.845	.58330	.02640	.01760	-.00810	.03170	-.00850	-.04400	-13.20330	10.48680	12.76000
.604	-11.507	.58120	.02650	.01620	-.00880	.02940	-.00830	-.04220	-12.95200	10.06210	12.75000
.604	-10.908	.57820	.02710	.01490	-.01000	.02830	-.00780	-.04040	-12.31590	9.50090	12.75000
.604	-10.150	.57850	.02750	.01360	-.01130	.02710	-.00770	-.03850	-11.42850	8.87140	12.74000
.604	-9.653	.57620	.02860	.01250	-.01200	.02530	-.00720	-.03660	-10.76890	8.53770	12.74000
.604	-9.154	.57580	.02880	.01130	-.01330	.02400	-.00630	-.03440	-10.15640	8.15100	12.76000
.604	-8.694	.57660	.02890	.01020	-.01390	.02190	-.00620	-.03270	-9.65380	7.73390	12.76000
.603	-8.144	.57570	.02880	.00970	-.01480	.02110	-.00610	-.03080	-9.19830	7.08920	12.74000
.604	-7.350	.57280	.02930	.00840	-.01610	.01920	-.00530	-.02880	-8.25550	6.44460	12.76000
.602	-6.755	.57950	.03040	.00790	-.01700	.01770	-.00530	-.02690	-7.57270	5.93650	12.75000
.604	-6.246	.57670	.02960	.00690	-.01760	.01680	-.00470	-.02480	-7.10940	5.38290	12.75000
.602	-5.877	.57970	.02990	.00680	-.01830	.01380	-.00430	-.02310	-6.84240	4.91270	12.76000
.603	-5.201	.57760	.02940	.00590	-.01900	.01340	-.00390	-.02120	-6.09640	4.30600	12.75000
.602	-4.755	.57950	.02910	.00520	-.01980	.01170	-.00340	-.01890	-5.70370	3.80550	12.76000
.603	-4.139	.58160	.02910	.00450	-.02060	.01020	-.00280	-.01670	-4.97340	3.30490	12.76000
.602	-3.588	.58380	.02970	.00400	-.02080	.00790	-.00250	-.01450	-4.42370	2.75130	12.77000
.602	-2.944	.58370	.02830	.00360	-.02110	.00580	-.00170	-.01230	-3.83470	2.05360	12.77000
.602	-2.317	.58250	.02840	.00330	-.02140	.00470	-.00130	-.01000	-3.09650	1.53750	12.78000
.603	-1.672	.58020	.02750	.00300	-.02120	.00040	-.00090	-.00760	-2.20910	1.13600	12.76000
.605	-1.023	.57920	.02740	.00280	-.02080	-.00060	-.00030	-.00560	-1.50240	.54440	12.76000
.603	-.432	.58360	.02760	.00250	-.02170	-.00160	-.00000	-.00340	-.85060	.01350	12.77000
.603	.164	.58440	.02780	.00270	-.02150	-.00240	.00040	-.00090	-.36370	-.69160	12.77000
.604	.648	.58230	.02730	.00260	-.02160	-.00550	.00080	.00090	.01320	-1.28320	12.76000
.604	.971	.58250	.02660	.00280	-.02170	-.00770	.00120	.00320	.24880	-1.69270	12.76000
.605	1.488	.58120	.02730	.00300	-.02120	-.00960	.00190	.00550	.77490	-2.20080	12.76000
.604	2.242	.58290	.02660	.00330	-.02090	-.01220	.00230	.00780	1.63090	-2.85300	12.77000
.603	2.900	.58210	.02650	.00380	-.02040	-.01340	.00280	.01000	2.43190	-3.36870	12.77000
.604	3.430	.58560	.02660	.00370	-.02050	-.01440	.00320	.01230	3.05230	-3.80860	12.77000
.601	3.752	.58780	.02650	.00430	-.02100	-.01630	.00380	.01450	3.24080	-4.26360	12.76000
.603	4.380	.58380	.02620	.00490	-.01970	-.01890	.00420	.01640	4.01030	-4.74900	12.77000
.603	5.015	.58360	.02610	.00530	-.01950	-.01870	.00460	.01890	4.59150	-5.43910	12.77000
.603	5.528	.58290	.02520	.00590	-.01910	-.02060	.00520	.02080	5.07840	-5.97750	12.76000
.604	5.961	.58410	.02630	.00660	-.01820	-.02220	.00540	.02310	5.35320	-6.56910	12.76000
.605	6.549	.58400	.02600	.00750	-.01740	-.02370	.00570	.02510	6.02070	-7.07720	12.77000
.605	7.180	.58460	.02560	.00830	-.01680	-.02550	.00620	.02710	6.75100	-7.60810	12.76000
.605	7.697	.58430	.02570	.00930	-.01610	-.02720	.00680	.02940	7.32430	-8.07070	12.77000
.603	8.241	.58620	.02500	.01030	-.01550	-.02920	.00700	.03150	7.83480	-8.64700	12.77000
.602	8.785	.58710	.02470	.01140	-.01490	-.03110	.00750	.03330	8.37660	-9.19310	12.76000
.600	9.349	.59000	.02400	.01210	-.01410	-.03310	.00790	.03560	9.02060	-9.67840	12.76000

LA67 (LTV 552) ORBITER 49-0

(RFD104)

PARAMETRIC DATA

ALPHA	=	13.000	ELEVON	=	.000
SPDBRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSP05	=	.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 33/ 0 RN/L = 5.09

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
.597	9.830	.58470	.02300	.01310	-.01310	-.03380	.00860	.03780	9.42110	-10.23960	12.77000
.599	10.548	.58470	.02170	.01450	-.01160	-.03640	.00910	.03980	10.12000	-10.97530	12.77000
.603	11.077	.59140	.02070	.01600	-.01020	-.03960	.00960	.04210	10.72470	-11.43030	12.77000
.608	11.779	.59580	.01940	.01770	-.00880	-.03940	.01010	.04430	11.60420	-11.95360	12.79000
.615	12.397	.59870	.01680	.02040	-.00640	-.04180	.01120	.04640	12.28740	-12.56720	12.78000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD105)

PARAMETRIC DATA

ALPHA	=	.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSPQS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 72/ 0 RN/L = 17.46

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
4.591	-20.193	-.07170	.00090	.09650	.09180	.00050	.00000	-.00020	-19.43080	-20.95550	.32000
4.591	-18.460	-.06910	.00020	.09590	.09110	.00050	.00010	-.00020	-18.53550	-19.38460	.34000
4.591	-17.515	-.06730	.00000	.09550	.09100	.00040	.00010	-.00020	-18.26070	-16.76930	.35000
4.591	-17.295	-.06960	-.00040	.09540	.09070	.00050	.00000	-.00020	-18.00940	-16.57970	.35000
4.591	-17.086	-.06680	-.00030	.09520	.09050	.00040	.00010	-.00020	-17.78950	-16.38250	.36000
4.591	-15.638	-.06440	-.00310	.09400	.08940	.00060	.00010	.00000	-14.74250	-16.53420	.33000
4.591	-14.227	-.06380	-.00340	.09370	.08930	.00060	.00010	.00000	-14.69540	-13.75850	.33000
4.591	-13.957	-.06340	-.00350	.09350	.08870	.00060	.00010	.00000	-14.40480	-13.50830	.35000
4.591	-13.686	-.06190	-.00300	.09330	.08880	.00020	.00010	-.00010	-14.09070	-13.28070	.34000
4.591	-13.348	-.06230	-.00320	.09330	.08860	.00030	.00010	-.00010	-13.64310	-13.05320	.34000
4.591	-12.937	-.06210	-.00410	.09270	.08820	.00070	.00010	.00000	-13.32110	-12.55270	.33000
4.591	-12.663	-.06180	-.00430	.09250	.08780	.00040	.00030	-.00010	-13.05410	-12.27210	.34000
4.591	-12.385	-.05960	-.00510	.09250	.08810	.00030	.00020	-.00010	-12.76360	-12.00670	.32000
4.591	-11.962	-.06090	-.00520	.09230	.08750	.00070	.00020	-.00010	-12.40230	-11.52130	.34000
4.591	-11.505	-.05940	-.00480	.09240	.08770	.00020	.00010	-.00010	-11.86830	-11.14210	.35000
4.591	-11.000	-.05950	-.00610	.09220	.08770	.00030	.00020	-.00010	-11.14580	-10.85390	.35000
4.591	-10.555	-.05770	-.00570	.09190	.08730	.00040	.00010	.00000	-10.61180	-10.49750	.34000
4.591	-10.186	-.05830	-.00640	.09190	.08740	.00010	.00010	-.00010	-10.32130	-10.05000	.34000
4.591	-9.908	-.05760	-.00680	.09160	.08690	.00080	.00020	.00000	-10.06210	-9.75430	.33000
4.591	-9.674	-.05710	-.00740	.09170	.08720	.00030	.00020	-.00010	-9.88150	-9.46610	.33000
4.591	-9.349	-.05660	-.00720	.09140	.08700	.00090	.00010	-.00010	-9.71660	-8.94070	.34000
4.591	-9.036	-.05590	-.00750	.09130	.08690	.00090	.00020	-.00000	-9.37110	-8.70010	.35000
4.591	-8.742	-.05610	-.00770	.09110	.08660	.00060	.00020	.00000	-9.07260	-8.41190	.34000
4.591	-8.515	-.05520	-.00770	.09090	.08630	.00020	.00010	.00000	-8.84490	-8.18440	.34000
4.591	-8.169	-.05590	-.00830	.09080	.08630	.00010	.00020	.00000	-8.39730	-7.94180	.34000
4.591	-7.857	-.05410	-.00800	.09080	.08630	.00090	.00020	.00000	-7.72190	-7.59290	.34000
4.591	-7.360	-.05250	-.00850	.09080	.08630	.00090	.00020	.00000	-7.41570	-7.30470	.34000
4.591	-7.087	-.05300	-.00860	.09060	.08600	.00090	.00010	.00000	-7.19580	-6.97860	.34000
4.591	-6.710	-.05160	-.00920	.09050	.08600	.00100	.00020	.00000	-7.10940	-6.31120	.34000
4.591	-5.493	-.05120	-.01100	.08960	.08510	.00010	.00020	.00000	-5.32680	-5.65900	.33000
4.591	-3.912	-.05060	-.01110	.08980	.08540	.00080	.00020	.00000	-4.87920	-2.94400	.34000
4.591	-3.348	-.04780	-.01270	.08960	.08520	.00030	.00020	.00000	-3.41850	-3.27770	.33000
4.591	-3.097	-.04800	-.01230	.08920	.08480	.00020	.00020	.00000	-3.14360	-3.05020	.34000
4.591	-2.673	-.04790	-.01230	.08920	.08490	.00070	.00020	.00000	-2.53110	-2.81510	.34000
4.591	-2.455	-.04780	-.01250	.08910	.08490	.00110	.00010	.00000	-2.41330	-2.49660	.34000
4.591	-2.060	-.04820	-.01350	.08980	.08520	.00100	.00020	.00010	-1.95780	-2.16290	.33000
4.591	-1.763	-.04860	-.01370	.09090	.08660	-.00110	.00010	.00000	-1.62010	-1.90500	.33000
4.591	-1.429	-.05060	-.01360	.09140	.08720	-.00270	-.00010	.00000	-1.20390	-1.65480	.33000
4.591	-1.111	-.04970	-.01270	.09050	.08630	-.00310	-.00020	.00000	-.78770	-1.43490	.32000
4.591	-.863	-.05100	-.01410	.09200	.08800	-.00240	.00000	.00010	-.46580	-1.26040	.33000
4.591	-.655	-.05040	-.01550	.09220	.08850	-.00040	.00000	.00000	-.28510	-1.02530	.34000
4.591	-.390	-.04960	-.01330	.09050	.08640	-.00230	.00000	.00000	-.04950	-.72960	.34000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD105)

PARAMETRIC DATA

ALPHA =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	18.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BOFLAP =	.000
RUDDER =	.000		

RUN NO. 72/ 0 RN/L = 17.46

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
4.591	-.056	-.04960	-.01570	.09140	.08750	.00230	.00020	.00000	.15450	-.26690	.32000
4.591	.198	-.05070	-.01690	.09320	.08930	.00060	.00030	.00000	.39010	.00600	.32000
4.591	.401	-.04850	-.01480	.09170	.08770	-.00050	.00040	.00000	.48440	.31690	.35000

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD106)

PARAMETRIC DATA

ALPHA	=	.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 73/ 0 RN/L = 16.32

ACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
4.591	.305	-.05150	-.01160	.09280	.08810	.00010	.00050	.00000	.19380	.41550	.28000
4.591	.586	-.05140	-.01310	.09300	.08820	-.00060	.00040	.00000	.44510	.72640	.28000
4.591	.837	-.04760	-.01250	.09000	.08500	-.00020	.00040	.00000	.71210	.96150	.29000
4.591	1.177	-.04830	-.01290	.09160	.08650	-.00050	.00020	.00000	1.10470	1.24970	.28000
4.591	1.382	-.04980	-.01290	.09100	.08620	-.00080	.00010	.00000	1.30890	1.45450	.29000
4.591	1.789	-.04700	-.01290	.09140	.08640	.00000	.00050	.00000	1.84290	1.73510	.26000
4.591	2.047	-.04280	-.01290	.08960	.08470	-.00010	.00040	.00000	2.06280	2.03080	.29000
4.591	2.499	-.04360	-.01370	.09020	.08510	.00090	.00030	.00010	2.55750	2.44040	.28000
4.591	2.727	-.04240	-.01380	.09030	.08520	.00090	.00050	.00000	2.84020	2.61480	.29000
4.591	3.105	-.04180	-.01400	.08980	.08460	.00000	.00030	.00000	3.19360	3.01670	.29000
4.591	3.475	-.04360	-.01460	.08990	.08460	.00020	.00030	.00000	3.31930	3.63100	.30000
4.591	3.878	-.04350	-.01590	.09010	.08480	.00040	.00030	.00010	3.81400	3.94200	.28000
4.591	4.118	-.04290	-.01540	.09000	.08470	.00010	.00020	.00000	4.08890	4.14670	.30000
4.591	4.482	-.04330	-.01600	.09020	.08520	.00030	.00040	.00000	4.53650	4.42730	.29000
4.591	4.694	-.04290	-.01580	.09050	.08530	.00020	.00030	.00000	4.71710	4.67000	.28000
4.591	5.016	-.04290	-.01640	.09050	.08510	.00030	.00040	.00010	4.96060	5.07190	.28000
4.591	5.260	-.04370	-.01620	.09060	.08530	.00030	.00030	.00010	5.25110	5.26910	.28000
4.591	5.573	-.04090	-.01620	.09060	.08520	.00010	.00030	.00000	5.60450	5.54210	.28000
4.591	5.789	-.04290	-.01600	.09070	.08520	.00020	.00030	.00010	5.80870	5.76970	.28000
4.591	5.990	-.04320	-.01640	.09070	.08560	.00030	.00040	.00010	6.02860	5.95170	.28000
4.591	6.219	-.04140	-.01660	.09060	.08520	.00000	.00030	.00010	6.31130	6.12610	.29000
4.591	6.470	-.04240	-.01720	.09070	.08550	.00050	.00040	.00020	6.56260	6.37640	.29000
4.591	6.713	-.04230	-.01680	.09090	.08560	.00050	.00030	.00020	6.84530	6.58110	.29000
4.591	6.930	-.04180	-.01760	.09090	.08580	.00050	.00030	.00020	7.12010	6.74040	.28000
4.591	7.243	-.04000	-.01730	.09070	.08540	.00000	.00040	.00010	7.45780	7.02860	.30000
4.591	7.582	-.04000	-.01770	.09080	.08530	.00000	.00030	.00010	7.78760	7.37740	.29000
4.591	7.921	-.03960	-.01820	.09110	.08550	.00020	.00030	.00020	8.07040	7.77180	.28000
4.591	8.208	-.04070	-.01880	.09110	.08590	.00050	.00030	.00020	8.42370	7.99170	.29000
4.591	8.634	-.03970	-.01860	.09110	.08590	.00000	.00030	.00020	8.93420	8.33300	.29000
4.591	8.916	-.03950	-.01940	.09140	.08520	.00030	.00030	.00030	9.24830	8.58320	.28000

LA67 (LTV 552) ORBITER 49-0

(RF0107)

PARAMETRIC DATA

ALPHA	=	10.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 123/ 0 RN/L = 8.08

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	-13.587	.37690	.01950	.16010	.11050	.00260	-.00110	-.00150	-14.74250	-12.43140	9.58000
1.510	-13.064	.37650	.01760	.15880	.10950	.00220	-.00080	-.00150	-14.08290	-12.04460	9.57000
1.510	-12.551	.37820	.01610	.15750	.10840	.00240	-.00070	-.00150	-13.58030	-11.52130	9.58000
1.510	-12.069	.37980	.01410	.15640	.10770	.00240	-.00050	-.00160	-13.12480	-11.01320	9.58000
1.510	-11.666	.38490	.01210	.15550	.10730	.00170	-.00040	-.00170	-12.63010	-10.70230	9.57000
1.510	-11.014	.38660	.01050	.15490	.10670	.00150	-.00030	-.00170	-11.96250	-10.06520	9.58000
1.510	-10.381	.39970	.00840	.15420	.10640	.00160	-.00020	-.00170	-11.30290	-9.45850	9.57000
1.510	-9.847	.39220	.00580	.15330	.10580	.00160	-.00020	-.00170	-10.67470	-9.01870	9.56000
1.510	-9.442	.39510	.00400	.15300	.10610	.00160	-.00020	-.00160	-10.31340	-8.57120	9.56000
1.510	-9.059	.39850	.00210	.15190	.10510	.00100	-.00010	-.00170	-9.87360	-8.24510	9.57000
1.510	-8.620	.40180	.00060	.15160	.10550	.00120	-.00020	-.00160	-9.47310	-7.76730	9.57000
1.510	-8.082	.40290	-.00220	.15040	.10420	.00080	-.00010	-.00150	-8.81350	-7.35020	9.56000
1.510	-7.462	.40540	-.00430	.15010	.10400	.00070	.00000	-.00140	-8.04390	-6.88000	9.56000
1.510	-6.923	.40800	-.00620	.15010	.10370	.00050	.00000	-.00140	-7.36850	-6.47810	9.58000
1.510	-6.584	.41040	-.00780	.15030	.10430	.00080	.00000	-.00140	-7.03020	-6.13680	9.56000
1.510	-6.242	.41280	-.00940	.15020	.10420	.00100	.00000	-.00140	-6.76390	-5.71970	9.55000
1.510	-5.686	.41540	-.01140	.14970	.10350	.00080	.00000	-.00130	-6.19850	-5.17370	9.56000
1.510	-5.173	.41880	-.01330	.15010	.10400	.00050	.00000	-.00120	-5.68020	-4.66560	9.55000
1.510	-4.786	.41910	-.01450	.14940	.10320	.00070	.00000	-.00100	-5.26390	-4.30910	9.56000
1.510	-4.461	.42500	-.01560	.15000	.10410	.00050	.00000	-.00090	-4.88700	-4.03610	9.57000
1.510	-4.221	.42480	-.01700	.14940	.10330	.00080	.00000	-.00060	-4.58070	-3.86170	9.55000
1.510	-3.970	.42600	-.01810	.14950	.10330	.00070	.00000	-.00050	-4.32940	-3.61140	9.55000
1.510	-3.703	.42790	-.01920	.14970	.10360	.00110	.00000	-.00060	-4.00750	-3.39910	9.57000
1.510	-3.405	.42910	-.02140	.14960	.10320	.00110	.00000	-.00060	-3.66190	-3.14880	9.55000
1.510	-3.057	.43150	-.02220	.15000	.10320	.00130	.00000	-.00040	-3.25360	-2.86060	9.55000
1.510	-2.501	.43420	-.02370	.15040	.10360	.00110	.00010	-.00050	-2.65670	-2.34490	9.54000
1.510	-2.081	.43710	-.02560	.15070	.10390	.00110	.00010	-.00040	-2.26410	-1.89750	9.57000
1.510	-1.670	.43360	-.02750	.15110	.10420	.00070	.00000	-.00030	-1.76940	-1.57140	9.55000
1.510	-1.185	.44210	-.02940	.15170	.10460	.00080	.00010	-.00030	-1.12540	-1.24530	9.56000
1.510	-.772	.44490	-.03080	.15210	.10460	.00140	.00010	-.00030	-.70140	-.84330	9.54000
1.510	-.253	.44650	-.03380	.15260	.10520	.00050	.00000	-.00030	-.29300	-.21390	9.55000
1.510	.277	.44770	-.03520	.15290	.10510	.00090	.00000	-.00030	.14670	.40790	9.53000
1.510	.664	.45160	-.03770	.15370	.10570	.00050	.00000	-.00020	.37440	.95390	9.55000
1.510	1.147	.45540	-.03960	.15360	.10510	.00130	.00000	-.00020	.88490	1.40900	9.53000
1.510	1.742	.45860	-.04310	.15440	.10590	.00050	.00000	-.00020	1.73300	1.75020	9.53000
1.510	2.174	.45930	-.04500	.15480	.10650	.00050	.00000	-.00020	2.18850	2.15980	9.53000
1.510	2.925	.46440	-.04740	.15510	.10640	.00090	.00000	-.00010	3.09940	2.75130	9.52000
1.510	3.212	.46480	-.04940	.15510	.10650	.00080	.00000	-.00010	3.24070	3.18360	9.52000
1.510	3.681	.46990	-.05150	.15540	.10690	.00120	.00000	-.00020	3.61770	3.74480	9.52000
1.510	4.212	.47220	-.05380	.15600	.10750	.00130	.00000	.00000	4.28520	4.13910	9.51000
1.510	4.668	.47420	-.05710	.15710	.10820	.00060	.00000	.00000	4.75640	4.57900	9.52000
1.510	5.183	.47770	-.05980	.15780	.10840	.00110	.00000	.00000	5.20400	5.16300	9.50000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD107)

PARAMETRIC DATA

ALPHA =	10.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 123/ 0 RN/L = 8.08

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	5.690	.48150	-.06200	.15910	.11000	.00050	.00000	.00010	5.76160	5.61800	9.51000

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD107)

PARAMETRIC DATA

ALPHA =	10.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 107/ 0 RN/L = 8.25

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.010	-12.064	.28070	.01220	.13030	.08260	.00130	-.00080	-.00070	-13.29760	-10.83120	9.56000
2.010	-11.668	.28340	.01230	.13030	.08390	.00160	-.00070	-.00080	-12.97560	-10.36100	9.57000
2.010	-11.177	.28240	.00990	.12950	.08050	.00140	-.00080	-.00070	-12.60650	-9.74670	9.58000
2.010	-10.657	.28250	.00970	.12930	.08010	.00130	-.00080	-.00070	-11.91540	-9.39780	9.57000
2.010	-10.250	.28610	.00990	.12910	.08310	.00100	-.00070	-.00080	-11.39710	-9.10210	9.57000
2.010	-9.762	.28620	.00840	.12890	.07980	.00140	-.00060	-.00070	-10.80030	-8.72290	9.59000
2.010	-9.398	.28880	.00750	.12870	.08060	.00100	-.00070	-.00070	-10.40770	-8.38920	9.57000
2.010	-9.043	.29000	.00670	.12900	.08000	.00110	-.00070	-.00060	-10.02290	-8.06310	9.59000
2.010	-8.639	.29040	.00580	.12890	.07980	.00130	-.00070	-.00060	-9.67730	-7.60050	9.57000
2.010	-8.293	.29190	.00380	.12830	.07960	.00150	-.00060	-.00060	-9.40250	-7.18340	9.56000
2.010	-7.922	.29290	.00290	.12830	.08180	.00120	-.00060	-.00060	-8.99410	-6.84970	9.55000
2.010	-7.438	.29370	.00230	.12790	.08850	.00090	-.00060	-.00050	-8.22450	-6.65250	9.57000
2.010	-7.024	.29450	.00230	.12850	.08520	.00150	-.00060	-.00050	-7.71410	-6.33400	9.57000
2.010	-6.675	.29580	.00150	.12820	.08350	.00130	-.00060	-.00040	-7.24290	-6.10650	9.56000
2.010	-6.401	.29580	.00050	.12790	.08210	.00150	-.00060	-.00020	-6.96020	-5.84100	9.56000
2.010	-6.163	.29900	-.00040	.12820	.08150	.00120	-.00060	-.00030	-6.78740	-5.53770	9.56000
2.010	-5.792	.29850	-.00090	.12870	.08180	.00140	-.00050	-.00040	-6.41050	-5.17370	9.55000
2.010	-5.410	.30010	-.00240	.12840	.08360	.00140	-.00050	-.00030	-6.04140	-4.77930	9.56000
2.010	-5.110	.30420	-.00240	.12890	.08460	.00110	-.00050	-.00030	-5.75870	-4.46080	9.58000
2.010	-4.785	.30070	-.00340	.12870	.08070	.00110	-.00030	-.00030	-5.37390	-4.19540	9.56000
2.010	-4.503	.30240	-.00380	.12890	.07850	.00120	-.00060	-.00030	-5.09900	-3.90720	9.57000
2.010	-4.252	.30460	-.00470	.12900	.07860	.00090	-.00050	-.00030	-4.85560	-3.64930	9.56000
2.010	-3.960	.30560	-.00630	.12960	.08600	.00130	-.00040	-.00030	-4.58070	-3.33840	9.57000
2.010	-3.662	.30570	-.00680	.12960	.08830	.00110	-.00040	-.00030	-4.23520	-3.08810	9.56000
2.010	-3.208	.30780	-.00770	.12950	.09120	.00100	-.00050	-.00020	-3.84250	-2.57240	9.57000
2.010	-2.809	.30820	-.00830	.12980	.08300	.00090	-.00040	-.00020	-3.39490	-2.22360	9.57000
2.010	-2.277	.30920	-.00960	.13000	.07930	.00120	-.00040	-.00020	-2.66460	-1.88990	9.57000
2.010	-1.895	.31230	-.01010	.13040	.08730	.00110	-.00040	-.00020	-2.24050	-1.54860	9.57000
2.010	-1.457	.31380	-.01130	.13120	.08790	.00040	-.00060	-.00020	-1.69870	-1.21490	9.56000
2.010	-1.001	.31440	-.01230	.13140	.09210	.00160	-.00040	.00000	-1.18820	-.81300	9.56000
2.010	-.466	.31700	-.01370	.13130	.09210	.00140	-.00040	-.00010	-.72490	-.20630	9.58000
2.010	.043	.31750	-.01430	.13150	.09290	.00130	-.00040	-.00010	-.24590	.33210	9.58000
2.010	.451	.31880	-.01680	.13190	.09670	.00160	-.00040	.00000	.09960	.80230	9.56000
2.010	.824	.32260	-.01720	.13200	.09480	.00140	-.00030	.00000	.41370	1.23450	9.56000
2.010	1.112	.32240	-.01960	.13230	.09370	.00160	-.00040	.00000	.63360	1.59100	9.56000
2.010	1.586	.32380	-.02050	.13240	.09100	.00150	-.00040	.00000	1.26960	1.90190	9.54000
2.010	2.146	.32780	-.02190	.13330	.09020	.00130	-.00050	.00000	1.90570	2.38730	9.54000
2.010	2.564	.32870	-.02360	.13400	.09220	.00130	-.00060	.00000	2.36120	2.76650	9.54000
2.010	3.164	.32840	-.02420	.13360	.09340	.00140	-.00040	.00000	3.06800	3.25940	9.54000
2.010	3.421	.33130	-.02530	.13400	.09710	.00120	-.00060	.00000	3.24860	3.59310	9.54000
2.010	3.812	.33370	-.02770	.13440	.09890	.00150	-.00050	.00010	3.53130	4.09360	9.53000
2.010	4.274	.33600	-.02850	.13490	.09740	.00140	-.00060	.00010	4.15170	4.39700	9.53000

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD107)

PARAMETRIC DATA

ALPHA =	10.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
GETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 107/ 0 RN/L = 8.25

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.010	4.743	.33590	-.03030	.13500	.09800	.00140	-.00050	.00010	4.53650	4.95060	9.53000
2.010	5.127	.33850	-.03060	.13550	.09870	.00150	-.00060	.00010	5.00770	5.24640	9.54000
2.010	5.689	.34040	-.03240	.13560	.09290	.00150	-.00050	.00020	5.48670	5.89100	9.53000

LA57 (LTV 552) ORBITER 49-0

(RFD108)

PARAMETRIC DATA

ALPHA	=	15.000	AILRON	=	.000
SPDRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 95/ 0 RN/L = 10.87

MACH	ELEVON	CN	CLM	CA	CAS	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.990	-12.109	.37030	.00190	.09140	.07180	-.00020	-.00040	-.00060	-13.49390	-10.72500	15.01000
2.990	-11.790	.37080	.00120	.09140	.07190	-.00020	-.00040	-.00060	-13.21120	-10.36860	15.00000
2.990	-11.371	.37220	.00190	.09110	.07170	-.00040	-.00040	-.00060	-12.86560	-9.87560	15.02000
2.990	-10.881	.37370	.00040	.09100	.07150	-.00060	-.00030	-.00060	-12.19810	-9.56470	15.02000
2.990	-10.259	.37390	-.00030	.09120	.07180	-.00020	-.00030	-.00050	-11.27930	-9.23860	15.01000
2.990	-9.812	.37570	-.00040	.09090	.07150	-.00050	-.00040	-.00060	-10.84740	-8.77600	15.02000
2.990	-9.444	.37700	-.00090	.09100	.07140	-.00040	-.00020	-.00060	-10.43910	-8.44990	15.01000
2.990	-9.086	.37540	-.00170	.09090	.07130	-.00050	-.00040	-.00070	-10.10140	-8.07070	15.03000
2.990	-8.759	.37640	-.00230	.09100	.07160	-.00040	-.00040	-.00060	-9.81870	-7.69910	15.03000
2.990	-8.377	.37710	-.00210	.09090	.07140	-.00050	-.00030	-.00060	-9.44170	-7.31230	15.02000
2.990	-8.089	.37940	-.00340	.09100	.07160	-.00050	-.00020	-.00070	-9.23760	-6.94070	15.01000
2.990	-7.602	.38020	-.00380	.09090	.07150	-.00010	-.00030	-.00060	-8.69570	-6.50840	15.02000
2.990	-7.063	.37900	-.00450	.09080	.07140	-.00030	-.00020	-.00070	-7.99680	-6.12920	15.02000
2.990	-6.486	.38000	-.00560	.09090	.07130	-.00010	-.00020	-.00060	-7.30570	-5.66660	15.02000
2.990	-5.894	.38060	-.00620	.09100	.07160	-.00030	-.00030	-.00060	-7.01520	-5.17370	15.00000
2.990	-5.612	.38330	-.00670	.09070	.07120	-.00030	-.00020	-.00070	-6.50470	-4.71860	15.02000
2.990	-5.140	.38400	-.00770	.09090	.07140	-.00030	-.00020	-.00060	-5.99430	-4.28640	15.03000
2.990	-4.692	.38620	-.00820	.09090	.07130	-.00050	-.00020	-.00070	-5.50740	-3.87680	15.01000
2.990	-4.322	.38580	-.00850	.09100	.07140	-.00020	-.00030	-.00050	-5.15400	-3.49010	15.02000
2.990	-3.858	.38560	-.01000	.09120	.07160	-.00030	-.00020	-.00060	-4.63570	-3.08050	15.01000
2.990	-3.454	.38750	-.01080	.09130	.07170	-.00070	-.00020	-.00060	-4.27450	-2.63310	15.00000
2.990	-2.933	.38980	-.01120	.09120	.07150	-.00020	-.00020	-.00050	-3.75620	-2.10980	15.01000
2.990	-2.453	.39020	-.01290	.09160	.07200	-.00020	-.00020	-.00060	-3.17500	-1.73060	15.01000
2.990	-1.910	.39100	-.01410	.09140	.07180	-.00070	-.00020	-.00050	-2.46040	-1.35900	15.00000
2.990	-1.443	.39190	-.01440	.09150	.07190	-.00050	-.00020	-.00050	-1.98920	-.89640	15.00000
2.990	-.867	.39390	-.01510	.09180	.07220	.00000	-.00020	-.00050	-1.37670	-.35800	15.01000
2.990	-.215	.39570	-.01590	.09190	.07240	.00010	-.00020	-.00050	-.72490	.29420	15.00000
2.990	.323	.39500	-.01740	.09210	.07250	-.00070	-.00020	-.00050	-.27730	.92360	14.99000
2.990	.697	.39780	-.01770	.09230	.07280	-.00040	-.00030	-.00050	.08380	1.31040	15.01000
2.990	1.095	.39770	-.01960	.09240	.07280	-.00080	-.00030	-.00050	.53150	1.65920	14.98000
2.990	1.545	.39900	-.02070	.09280	.07340	-.00060	-.00020	-.00050	.89270	2.19770	15.00000
2.990	2.231	.40170	-.02140	.09270	.07320	-.00010	-.00020	-.00040	1.75650	2.70580	14.98000
2.990	2.653	.40370	-.02250	.09300	.07350	-.00010	-.00030	-.00040	2.24340	3.06220	14.98000
2.990	3.284	.40490	-.02340	.09340	.07390	-.00040	-.00030	-.00030	2.98160	3.58550	14.99000
2.990	3.649	.40510	-.02500	.09380	.07430	-.00060	-.00020	-.00040	3.26430	4.03300	14.99000
2.990	3.983	.40740	-.02670	.09420	.07470	-.00030	-.00020	-.00040	3.51560	4.45010	14.99000
2.990	4.567	.40840	-.02680	.09430	.07470	-.00040	-.00030	-.00030	4.18310	4.95060	14.99000
2.990	5.007	.41110	-.02820	.09470	.07520	-.00030	-.00030	-.00020	4.65430	5.36010	14.99000
2.990	5.466	.41110	-.02970	.09510	.07560	-.00070	-.00030	-.00030	5.09410	5.83790	14.98000
2.990	5.893	.41360	-.03130	.09550	.07590	-.00010	-.00020	-.00020	5.47890	6.30810	14.98000
2.990	6.489	.41500	-.03240	.09590	.07650	-.00040	-.00030	-.00010	6.15420	6.82380	14.98000

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD109)

PARAMETRIC DATA

ALPHA =	20.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 80/ 0 RN/L = 15.52

MACH	ELEVON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
4.591	-.661	.47060	-.01250	.06830	.06440	-.00210	-.00020	-.00030	-.20650	-1.11630	19.97000
4.591	-.417	.47330	-.01270	.06840	.06440	-.00200	-.00010	-.00020	-.09670	-.73710	19.96000
4.591	-.163	.47360	-.01350	.06830	.06430	-.00220	-.00010	-.00030	.12310	-.44900	19.96000
4.591	.044	.47510	-.01440	.06840	.06440	-.00160	-.00010	-.00030	.27230	-.18350	19.97000
4.591	.334	.47540	-.01440	.06840	.06450	-.00150	-.00010	-.00030	.57860	.08940	19.96000
4.591	.592	.47570	-.01460	.06850	.06470	-.00180	-.00020	-.00020	.82200	.36240	19.96000
4.591	.834	.47600	-.01580	.06870	.06480	-.00190	-.00010	-.00030	1.01050	.65820	19.97000
4.591	1.108	.47660	-.01620	.06890	.06500	-.00190	-.00010	-.00030	1.29320	.92360	19.97000
4.591	1.345	.47740	-.01590	.06880	.06500	-.00190	-.00020	-.00020	1.57590	1.11320	19.96000
4.591	1.624	.47850	-.01690	.06880	.06480	-.00160	-.00010	-.00020	1.96070	1.28760	19.95000
4.591	1.906	.48010	-.01740	.06920	.06510	-.00180	-.00010	-.00020	2.23560	1.57580	19.97000
4.591	2.149	.48000	-.01780	.06910	.06530	-.00180	-.00020	-.00010	2.51040	1.78820	19.96000
4.591	2.436	.47830	-.01920	.06920	.06530	-.00160	-.00010	-.00020	2.85600	2.01570	19.95000
4.591	2.676	.48150	-.01960	.06940	.06530	-.00160	-.00010	-.00010	3.14650	2.20530	19.96000
4.591	2.899	.48180	-.02050	.06950	.06540	-.00160	-.00010	-.00010	3.32710	2.47070	19.96000
4.591	3.174	.48340	-.02110	.06980	.06560	-.00200	-.00010	-.00020	3.46850	2.68020	19.95000
4.591	3.444	.48360	-.02190	.07010	.06580	-.00160	-.00010	.00000	3.70410	3.18360	19.96000
4.591	3.694	.48470	-.02270	.07000	.06590	-.00160	-.00010	.00000	3.93970	3.44900	19.95000
4.591	3.911	.48590	-.02220	.07030	.06630	-.00200	-.00010	-.00010	4.18310	3.63860	19.95000

LA67 (LTV 552) ORBITER 49-0

(RFD110)

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 119/ 0 RN/L = 8.05

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	-2.242	-.01310	.03960	.17000	.12440	.00390	.00010	-.00340	-1.14900	3.33530	-.04000
1.510	-2.014	-.01100	.03920	.16990	.12460	.00480	.00000	-.00290	-.88200	3.14570	-.05000
1.510	-1.661	-.01000	.03910	.17010	.12470	.00450	.00010	-.00250	-.42650	2.89540	-.04000
1.510	-1.400	-.00980	.03830	.16970	.12430	.00420	.00010	-.00190	-.25370	2.54650	-.06000
1.510	-1.161	-.01020	.03820	.16970	.12430	.00410	.00000	-.00140	-.02600	2.29630	-.04000
1.510	-.782	-.01040	.03850	.16980	.12440	.00400	.00000	-.00090	.42940	1.99290	-.05000
1.510	-.476	-.01040	.03790	.16960	.12420	.00410	.00000	-.00030	.81420	1.76540	-.06000
1.510	-.166	-.01010	.03840	.16920	.12380	.00380	.00000	.00010	1.20680	1.53790	-.05000
1.510	.223	-.00890	.03760	.16970	.12450	.00370	.00000	.00070	1.73300	1.28760	-.06000
1.510	.520	-.01020	.03730	.17000	.12460	.00380	.00010	.00130	2.02350	.98430	-.06000
1.510	.890	-.00980	.03700	.17000	.12450	.00410	.00010	.00180	2.41620	.63540	-.05000
1.510	1.318	-.00830	.03730	.16940	.12350	.00380	.00020	.00210	2.83240	.19560	-.04000
1.510	1.661	-.01080	.03770	.16940	.12350	.00370	.00020	.00260	3.10730	-.21390	-.04000
1.510	1.922	-.00790	.03790	.16960	.12360	.00370	.00010	.00300	3.12300	-.72200	-.04000
1.510	2.265	-.00820	.03810	.16990	.12380	.00310	.00010	.00390	3.21720	-1.31350	-.05000
1.510	2.741	-.01080	.03790	.17050	.12430	.00360	.00020	.00490	3.76690	-1.71550	-.04000
1.510	3.102	-.01100	.03770	.17010	.12370	.00360	.00030	.00530	4.22240	-1.98090	-.05000
1.510	3.382	-.01140	.03790	.17050	.12400	.00340	.00040	.00570	4.44230	-2.32220	-.04000
1.510	3.729	-.01150	.03810	.17080	.12410	.00330	.00030	.00620	4.76420	-2.69380	-.04000
1.510	4.092	-.01080	.03770	.17080	.12400	.00380	.00050	.00670	5.14900	-3.03500	-.05000
1.510	4.370	-.00910	.03780	.17160	.12500	.00240	.00030	.00710	5.43960	-3.30050	-.05000
1.510	4.872	-.01150	.03840	.17210	.12520	.00260	.00040	.00810	5.96570	-3.77820	-.05000
1.510	5.246	-.01020	.03800	.17140	.12450	.00330	.00050	.00860	6.35050	-4.14230	-.05000
1.510	5.619	-.01110	.03800	.17200	.12530	.00260	.00050	.00900	6.87670	-4.36220	-.06000
1.510	5.995	-.01160	.03820	.17250	.12570	.00200	.00050	.00950	7.30860	-4.68070	-.05000
1.510	6.329	-.01140	.03840	.17320	.12640	.00210	.00060	.01000	7.56780	-5.09020	-.04000
1.510	6.616	-.01110	.03860	.17360	.12650	.00220	.00070	.01060	7.72480	-5.50740	-.04000
1.510	6.920	-.01060	.03800	.17330	.12600	.00160	.00070	.01110	7.99970	-5.84100	-.05000
1.510	7.366	-.01070	.03790	.17440	.12700	.00220	.00070	.01150	8.53370	-6.19750	-.04000
1.510	7.668	-.01110	.03850	.17420	.12640	.00190	.00080	.01210	8.92630	-6.40980	-.05000
1.510	7.991	-.01150	.03770	.17540	.12760	.00170	.00090	.01260	9.20120	-6.78140	-.05000
1.510	8.581	-.01170	.03740	.17640	.12780	.00150	.00100	.01360	9.73520	-7.42610	-.04000
1.510	8.936	-.01090	.03840	.17690	.12780	.00180	.00090	.01420	10.10430	-7.76730	-.04000
1.510	9.286	-.01220	.03810	.17720	.12730	.00100	.00100	.01470	10.41060	-8.16170	-.06000
1.510	9.595	-.01320	.03840	.17790	.12780	.00100	.00100	.01520	10.75610	-8.43470	-.04000

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 189

LA67 (LTV 552) ORBITER 49-0

(RFD111)

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = .000
SPDBRK = 55.000 RN/L = 8.000
GRITNO = .000 RCSPDS = 1.000
BETA = .000 BDFLAP = .000
RUDDER = .000

RUN NO. 116/ 0 RN/L = 8.08

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	-1.689	.21880	.00110	.15920	.11300	.00220	.00020	-.00270	-1.18040	2.19770	4.82000
1.510	-1.424	.21750	.00100	.15950	.11330	.00260	.00020	-.00220	-.97620	1.87160	4.81000
1.510	-1.211	.21830	.00140	.15940	.11310	.00230	.00010	-.00190	-.72490	1.69720	4.82000
1.510	-.976	.21770	.00070	.15950	.11340	.00240	.00010	-.00140	-.48930	1.46210	4.81000
1.510	-.740	.21770	.00170	.15900	.11290	.00210	.00010	-.00110	-.20660	1.27250	4.83000
1.510	-.409	.21860	.00130	.15920	.11280	.00210	.00010	-.00030	.03670	.85540	4.82000
1.510	-.115	.21800	.00030	.15890	.11250	.00260	.00010	.00000	.38230	.61270	4.83000
1.510	.247	.21880	.00070	.15920	.11320	.00220	.00010	.00040	.72780	.23350	4.83000
1.510	.549	.21770	.00000	.15890	.11260	.00300	.00010	.00090	1.09690	-.00150	4.83000
1.510	.824	.21930	-.00010	.15970	.11340	.00280	.00000	.00120	1.42670	-.22140	4.81000
1.510	1.233	.21890	-.00030	.15980	.11370	.00290	.00010	.00170	1.85860	-.60820	4.82000
1.510	1.518	.21950	-.00050	.15990	.11350	.00270	.00000	.00210	2.09420	-.94190	4.81000
1.510	1.851	.21900	.00050	.16000	.11380	.00250	.00000	.00250	2.43980	-1.26800	4.82000
1.510	2.242	.21940	.00020	.15950	.11300	.00220	.00000	.00290	2.95810	-1.52590	4.82000
1.510	2.469	.21910	.00040	.16040	.11400	.00210	.00000	.00340	3.15440	-1.78370	4.82000
1.510	2.876	.21800	-.00060	.15990	.11320	.00290	.00000	.00450	3.43710	-2.31460	4.83000
1.510	3.200	.21800	.00010	.16030	.11370	.00250	-.00010	.00490	3.75120	-2.64830	4.82000
1.510	3.532	.21870	-.00080	.16080	.11460	.00240	-.00010	.00540	4.12030	-2.94400	4.81000
1.510	3.915	.22040	-.00030	.16110	.11490	.00230	-.00020	.00590	4.56790	-3.26250	4.82000
1.510	4.213	.21910	-.00030	.16130	.11500	.00220	-.00020	.00640	4.91340	-3.51280	4.82000
1.510	4.485	.21930	-.00150	.16130	.11470	.00270	-.00010	.00700	5.29040	-3.67970	4.83000
1.510	4.743	.21970	-.00100	.16250	.11620	.00190	-.00030	.00750	5.50240	-3.98300	4.82000
1.510	5.095	.21840	-.00130	.16220	.11530	.00270	-.00010	.00800	5.91080	-4.27880	4.83000
1.510	5.458	.22010	-.00180	.16280	.11590	.00260	-.00020	.00860	6.31130	-4.60490	4.81000
1.510	5.899	.22020	-.00170	.16300	.11570	.00180	-.00020	.00900	6.80600	-4.99170	4.82000
1.510	6.320	.22080	-.00160	.16410	.11690	.00290	-.00020	.00960	7.27720	-5.36330	4.83000
1.510	6.667	.22070	-.00110	.16480	.11710	.00270	-.00030	.01000	7.62270	-5.71210	4.82000
1.510	6.895	.21960	-.00180	.16510	.11710	.00200	-.00030	.01060	7.70910	-6.06100	4.83000
1.510	7.226	.21950	-.00160	.16480	.11620	.00180	-.00030	.01110	8.11750	-6.33400	4.81000
1.510	7.593	.21940	-.00250	.16540	.11650	.00240	-.00030	.01150	8.51010	-6.67530	4.82000
1.510	7.948	.21980	-.00200	.16620	.11740	.00250	-.00040	.01210	8.91850	-6.97860	4.82000
1.510	8.242	.22090	-.00280	.16680	.11810	.00250	-.00040	.01260	9.20900	-7.27440	4.82000
1.510	8.498	.22150	-.00280	.16660	.11770	.00250	-.00040	.01320	9.33470	-7.66120	4.81000
1.510	8.896	.21950	-.00330	.16720	.11820	.00210	-.00040	.01360	9.79800	-7.99480	4.81000
1.510	9.236	.22170	-.00300	.16850	.11360	.00160	-.00030	.01420	10.12000	-8.35130	4.82000
1.510	9.592	.22110	-.00380	.16830	.11900	.00180	-.00030	.01470	10.52830	-8.65460	4.81000
1.510	9.892	.22220	-.00350	.16960	.12060	.00160	-.00040	.01530	10.78750	-9.99590	4.82000
1.510	10.206	.22140	-.00420	.16990	.12050	.00190	-.00040	.01580	11.18010	-9.23100	4.82000

LA57 (LTV 552) ORBITER 49-0

(RFD111)

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDPLAP	=	.000
RUDDER	=	.000			

RUN NO. 108/ 0 RN/L = 7.96

MACH	AILRON	CN	CLM	CA	CAS	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.010	-3.049	.14510	-.00240	.13810	.10590	.00180	-.00020	-.00260	-2.62530	3.47180	4.78000
2.010	-2.612	.14440	-.00060	.13810	.10610	.00270	-.00030	-.00210	-2.58610	2.63750	4.80000
2.010	-2.312	.14430	-.00080	.13760	.10560	.00230	-.00040	-.00180	-2.32690	2.29630	4.79000
2.010	-1.960	.14270	-.00020	.13790	.10590	.00250	-.00040	-.00150	-1.96570	1.95500	4.80000
2.010	-1.617	.14340	-.00020	.13800	.10610	.00230	-.00030	-.00120	-1.59660	1.63650	4.79000
2.010	-1.283	.14430	-.00020	.13760	.10560	.00230	-.00040	-.00090	-1.16470	1.40140	4.80000
2.010	-.734	.14340	-.00030	.13740	.10550	.00240	-.00040	-.00030	-.57570	.89330	4.81000
2.010	-.430	.14250	.00000	.13720	.10530	.00240	-.00040	.00000	-.27730	.58230	4.80000
2.010	-.135	.14390	.00000	.13750	.10580	.00260	-.00030	.00040	-.10450	.16520	4.80000
2.010	.101	.14270	.00030	.13700	.10500	.00240	-.00050	.00050	.17810	-.02430	4.82000
2.010	.498	.14460	.00010	.13690	.10500	.00240	-.00040	.00090	.53930	-.45650	4.82000
2.010	.841	.14390	-.00020	.13710	.10530	.00300	-.00040	.00120	.84560	-.83570	4.82000
2.010	1.231	.14420	-.00070	.13750	.10560	.00220	-.00050	.00150	1.26180	-1.19980	4.82000
2.010	1.522	.14290	-.00040	.13760	.10580	.00290	-.00050	.00180	1.68590	-1.35900	4.82000
2.010	1.770	.14500	-.00080	.13700	.10510	.00240	-.00060	.00220	1.96070	-1.57890	4.80000
2.010	2.304	.14650	-.00140	.13800	.10610	.00250	-.00080	.00250	2.82450	-1.78370	4.80000
2.010	2.591	.14410	-.00190	.13790	.10590	.00290	-.00070	.00290	3.18580	-1.99610	4.80000
2.010	2.804	.14520	-.00190	.13770	.10570	.00290	-.00080	.00320	3.24860	-2.36010	4.80000
2.010	3.034	.14540	-.00150	.13790	.10590	.00240	-.00090	.00340	3.38210	-2.68620	4.80000
2.010	3.314	.14520	-.00250	.13810	.10590	.00280	-.00080	.00380	3.57060	-3.05780	4.79000
2.010	3.660	.14510	-.00180	.13890	.10650	.00310	-.00080	.00410	4.05750	-3.26250	4.80000
2.010	3.943	.14550	-.00240	.13900	.10650	.00240	-.00080	.00440	4.41870	-3.46730	4.80000
2.010	4.234	.14620	-.00190	.13920	.10660	.00290	-.00090	.00470	4.77210	-3.69480	4.81000
2.010	4.593	.14580	-.00240	.13960	.10680	.00220	-.00090	.00500	5.19620	-3.99060	4.81000
2.010	4.929	.14620	-.00250	.13970	.10680	.00290	-.00090	.00540	5.54170	-4.31670	4.80000
2.010	5.569	.14510	-.00220	.13980	.10690	.00290	-.00090	.00610	6.16990	-4.96890	4.80000
2.010	6.060	.14600	-.00180	.14040	.10740	.00240	-.00110	.00640	6.70390	-5.41630	4.81000
2.010	6.455	.14630	-.00190	.14050	.10760	.00220	-.00110	.00660	7.15160	-5.75760	4.80000
2.010	6.822	.14630	-.00200	.14000	.10700	.00240	-.00110	.00700	7.58350	-6.06100	4.81000
2.010	7.244	.14570	-.00280	.14110	.10840	.00270	-.00130	.00770	7.85050	-6.63730	4.80000
2.010	7.675	.14680	-.00310	.14120	.10840	.00270	-.00130	.00800	8.43940	-6.91040	4.79000
2.010	7.956	.14660	-.00250	.14140	.10870	.00260	-.00120	.00840	8.68290	-7.22890	4.80000
2.010	8.326	.14590	-.00290	.14150	.10870	.00280	-.00120	.00870	9.04410	-7.60810	4.80000
2.010	8.692	.14620	-.00360	.14180	.10890	.00270	-.00140	.00900	9.36610	-8.01760	4.80000
2.010	8.981	.14620	-.00380	.14200	.10910	.00280	-.00140	.00930	9.63310	-8.32850	4.81000
2.010	9.322	.14650	-.00370	.14230	.10930	.00300	-.00140	.00970	10.04930	-8.59400	4.81000
2.010	9.592	.14550	-.00380	.14280	.10970	.00290	-.00160	.01000	10.36340	-8.82150	4.79000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD112)

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	5.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 120/ 0 RN/L = 8.11

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	-3.812	.22940	-.01090	.16170	.11500	.00240	.00040	-.00430	.16240	7.78690	4.73000
1.510	-3.227	.22900	-.01090	.16160	.11470	.00270	.00030	-.00390	.48440	6.93760	4.73000
1.510	-2.438	.22950	-.01130	.16180	.11480	.00290	.00030	-.00340	.89270	5.76970	4.72000
1.510	-2.007	.22970	-.01090	.16170	.11470	.00240	.00030	-.00280	1.26960	5.28430	4.74000
1.510	-1.636	.23000	-.01070	.16150	.11460	.00260	.00030	-.00230	1.67800	4.95060	4.73000
1.510	-1.243	.22930	-.01140	.16150	.11460	.00260	.00030	-.00180	2.07850	4.56380	4.73000
1.510	-.918	.22840	-.01120	.16200	.11510	.00230	.00030	-.00140	2.41620	4.25290	4.73000
1.510	-.497	.22740	-.01050	.16130	.11430	.00260	.00010	-.00080	2.89520	3.88890	4.73000
1.510	-.208	.23050	-.01100	.16180	.11470	.00280	.00010	-.00030	3.12300	3.54000	4.74000
1.510	.018	.22830	-.01070	.16190	.11480	.00260	.00000	.00020	3.26430	3.22910	4.73000
1.510	.278	.22920	-.01090	.16140	.11410	.00260	-.00010	.00070	3.39780	2.84230	4.74000
1.510	.665	.22840	-.01130	.16130	.11420	.00280	-.00010	.00110	3.84540	2.51620	4.73000
1.510	1.086	.23030	-.01140	.16230	.11570	.00220	-.00020	.00160	4.30880	2.13700	4.73000
1.510	1.395	.22800	-.01130	.16190	.11520	.00290	-.00030	.00220	4.66220	1.87160	4.74000
1.510	1.698	.23190	-.01220	.16280	.11640	.00240	-.00030	.00260	5.09410	1.69720	4.73000
1.510	1.968	.22910	-.01300	.16220	.11570	.00260	-.00030	.00300	5.53380	1.59860	4.73000
1.510	2.200	.23030	-.01330	.16240	.11570	.00270	-.00030	.00340	5.80870	1.40900	4.74000
1.510	2.588	.23220	-.01350	.16320	.11670	.00260	-.00060	.00400	6.31130	1.13600	4.72000
1.510	2.957	.23160	-.01350	.16350	.11690	.00190	-.00060	.00430	6.84530	.93120	4.72000
1.510	3.331	.23150	-.01410	.16350	.11620	.00250	-.00070	.00480	7.43430	.77190	4.73000
1.510	3.547	.23250	-.01480	.16350	.11550	.00250	-.00070	.00530	7.66200	.56720	4.73000
1.510	3.789	.23200	-.01510	.16340	.11490	.00300	-.00070	.00580	7.85050	.27140	4.74000
1.510	4.288	.23550	-.01540	.16460	.11660	.00270	-.00100	.00640	8.40020	-.17590	4.72000
1.510	4.701	.23400	-.01560	.16400	.11570	.00250	-.00100	.00690	8.79280	-.60820	4.74000
1.510	5.109	.23580	-.01540	.16470	.11660	.00250	-.00100	.00740	9.20120	-1.01770	4.73000
1.510	5.332	.23640	-.01600	.16530	.11710	.00250	-.00120	.00800	9.36610	-1.29830	4.72000
1.510	5.654	.23370	-.01630	.16540	.11720	.00290	-.00120	.00860	9.78230	-1.52590	4.72000
1.510	5.995	.23400	-.01640	.16550	.11770	.00260	-.00150	.00900	10.22210	-1.76850	4.73000
1.510	6.308	.23480	-.01650	.16560	.11750	.00240	-.00150	.00950	10.55190	-2.06430	4.73000
1.510	6.676	.23660	-.01690	.16640	.11830	.00290	-.00150	.01010	11.02310	-2.32970	4.73000
1.510	7.138	.23620	-.01720	.16730	.11910	.00290	-.00160	.01070	11.60420	-2.67100	4.72000
1.510	7.677	.23580	-.01790	.16750	.11910	.00270	-.00180	.01120	12.30310	-3.05020	4.74000
1.510	7.914	.23650	-.01790	.16820	.11950	.00280	-.00190	.01190	12.46020	-3.36870	4.74000
1.510	8.204	.23580	-.01860	.16890	.12000	.00310	-.00210	.01250	12.79000	-3.61900	4.73000
1.510	8.498	.23660	-.01890	.16940	.12040	.00320	-.00220	.01310	13.10410	-3.89200	4.73000
1.510	8.909	.23700	-.01940	.16970	.12070	.00300	-.00230	.01360	13.61460	-4.20290	4.73000
1.510	9.316	.23770	-.01940	.17030	.12150	.00290	-.00240	.01420	14.13290	-4.49870	4.72000
1.510	9.661	.23880	-.01960	.17050	.12200	.00310	-.00240	.01470	14.55690	-4.76410	4.73000

LA67 (LTV 552) ORBITER 49-0

(RFD113)

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	-10.000
SPOBRK =	55.000	RN/L =	8.000
GR1TNO =	.000	RCSPOS =	1.000
BETA =	.000	SOFLAP =	.000
RUDDER =	.000		

RUN NO. 121/ 0 RN/L = 8.11

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	-3.598	.19070	.02030	.16180	.11550	.00310	-.00040	-.00570	-7.47850	-.28210	4.77000
1.510	-3.315	.19110	.02040	.16140	.11530	.00320	-.00030	-.00520	-7.14080	-.50960	4.77000
1.510	-3.035	.19190	.01900	.16090	.11440	.00360	-.00020	-.00470	-6.93660	-.86610	4.76000
1.510	-2.707	.19260	.01890	.16080	.11440	.00340	-.00020	-.00430	-6.58320	-1.16940	4.76000
1.510	-2.354	.19050	.01870	.16040	.11370	.00260	-.00010	-.00370	-6.09640	-1.36940	4.76000
1.510	-1.992	.19110	.01870	.16060	.11390	.00270	.00000	-.00320	-5.57810	-1.59410	4.76000
1.510	-1.686	.19110	.01860	.16030	.11350	.00250	.00000	-.00260	-5.23250	-1.85950	4.76000
1.510	-1.377	.19120	.01850	.16050	.11380	.00260	.00000	-.00200	-4.89480	-2.14010	4.76000
1.510	-.983	.19370	.01850	.16040	.11370	.00330	.00010	-.00140	-4.48650	-2.51930	4.77000
1.510	-.613	.19120	.01800	.15970	.11290	.00230	.00010	-.00080	-4.09380	-2.86820	4.76000
1.510	-.241	.19270	.01820	.16000	.11350	.00270	.00010	-.00030	-3.63050	-3.14880	4.78000
1.510	.061	.19490	.01780	.16010	.11360	.00300	.00020	.00020	-3.27710	-3.39910	4.76000
1.510	.563	.19360	.01670	.16010	.11370	.00220	.00030	.00080	-2.54680	-3.67210	4.77000
1.510	.977	.19520	.01720	.16000	.11370	.00300	.00030	.00140	-2.01280	-3.96780	4.78000
1.510	1.279	.19430	.01690	.16000	.11380	.00230	.00030	.00190	-1.68300	-4.24090	4.78000
1.510	1.598	.19370	.01690	.15990	.11360	.00280	.00040	.00230	-1.42380	-4.62000	4.76000
1.510	1.922	.19430	.01730	.16020	.11400	.00230	.00030	.00290	-1.09400	-4.93860	4.77000
1.510	2.266	.19370	.01780	.15990	.11380	.00290	.00050	.00330	-.93690	-5.46940	4.76000
1.510	2.625	.19290	.01790	.16040	.11430	.00280	.00060	.00380	-.59140	-5.84100	4.78000
1.510	2.883	.19280	.01820	.16070	.11500	.00220	.00050	.00440	-.33230	-6.09890	4.78000
1.510	3.121	.19340	.01790	.16110	.11520	.00190	.00060	.00490	-.15950	-6.40220	4.77000
1.510	3.409	.19150	.01820	.16070	.11470	.00270	.00080	.00530	.02100	-6.79660	4.76000
1.510	3.745	.19300	.01800	.16150	.11540	.00140	.00070	.00600	.39800	-7.09240	4.77000
1.510	4.063	.19330	.01820	.16170	.11530	.00240	.00090	.00640	.68070	-7.45640	4.77000
1.510	4.438	.19110	.01820	.16170	.11530	.00200	.00090	.00690	1.02620	-7.85070	4.76000
1.510	4.805	.19420	.01830	.16250	.11620	.00210	.00100	.00750	1.40310	-8.20720	4.78000
1.510	5.180	.19430	.01830	.16260	.11580	.00170	.00100	.00810	1.82720	-8.53330	4.76000
1.510	5.501	.19220	.01810	.16330	.11630	.00170	.00120	.00850	2.18850	-8.81390	4.78000
1.510	5.919	.19200	.01860	.16340	.11590	.00100	.00130	.00910	2.67530	-9.16270	4.76000
1.510	6.293	.19320	.01810	.16410	.11650	.00110	.00140	.00970	3.05230	-9.53440	4.78000
1.510	6.572	.19220	.01800	.16440	.11640	.00080	.00160	.01020	3.13870	-10.00450	4.76000
1.510	6.932	.19250	.01780	.16460	.11630	.00100	.00160	.01080	3.35070	-10.51270	4.76000
1.510	7.248	.19140	.01740	.16520	.11670	.00080	.00170	.01140	3.64130	-10.85390	4.76000
1.510	7.600	.19310	.01810	.16610	.11770	.00010	.00180	.01190	4.07320	-11.12690	4.76000
1.510	8.014	.19270	.01780	.13710	.11860	.00000	.00190	.01260	4.52870	-11.49060	4.76000
1.510	8.360	.19300	.01670	.16720	.11870	.00030	.00220	.01320	4.85060	-11.87020	4.77000
1.510	8.775	.19090	.01700	.16710	.11870	-.00020	.00230	.01370	5.36110	-12.18870	4.76000
1.510	9.029	.19480	.01690	.16900	.12080	-.00060	.00240	.01430	5.58880	-12.46930	4.76000
1.510	9.415	.19230	.01630	.16860	.12000	-.00040	.00250	.01490	5.96570	-12.86360	4.75000
1.510	9.745	.19410	.01640	.17010	.12120	-.00080	.00280	.01550	6.42120	-13.06840	4.75000
1.510	10.241	.19510	.01620	.17040	.12080	-.00150	.00280	.01610	7.05730	-13.42480	4.76000
1.510	10.625	.19460	.01590	.17100	.12110	-.00180	.00290	.01660	7.54420	-13.70540	4.77000

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD113)

PARAMETRIC DATA

ALPHA	=	5.000	ELEVON	=	-10.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 121/ 0 RN/L = 8.11

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	11.135	.19390	.01510	.17150	.12130	-.00200	.00320	.01720	7.69340	-14.57760	4.76000

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(RFD114)

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 117/ 0 RN/L = 8.11

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	-3.411	.44400	-.03130	.15260	.10510	.00080	.00050	-.00490	-4.10170	2.72100	9.53000
1.510	-3.191	.44250	-.03080	.15240	.10500	.00050	.00050	-.00470	-4.10170	2.28110	9.54000
1.510	-2.775	.43950	-.02900	.15160	.10440	.00070	.00050	-.00390	-3.88970	1.65920	9.54000
1.510	-2.492	.43950	-.02870	.15170	.10440	.00090	.00040	-.00340	-3.57550	1.40900	9.53000
1.510	-2.196	.43980	-.02900	.15160	.10440	.00050	.00040	-.00290	-3.30850	1.08290	9.55000
1.510	-1.722	.43920	-.02810	.15100	.10450	.00080	.00030	-.00240	-2.66460	.77950	9.55000
1.510	-1.294	.43920	-.02890	.15180	.10390	.00040	.00030	-.00200	-2.24050	.34720	9.53000
1.510	-.922	.43910	-.02820	.15220	.10440	.00030	.00020	-.00140	-2.00500	-.16080	9.54000
1.510	-.494	.43930	-.02880	.15200	.10400	.00040	.00020	-.00100	-1.61230	-.62340	9.53000
1.510	-.128	.43870	-.02820	.15220	.10400	.00070	.00020	-.00050	-1.26680	-1.01020	9.54000
1.510	.138	.43790	-.02820	.15200	.10340	.00100	.00010	.00000	-.99190	-1.26800	9.53000
1.510	.393	.44040	-.02820	.15220	.10380	.00130	.00010	.00040	-.70920	-1.49550	9.55000
1.510	.675	.43860	-.02880	.15170	.10340	.00070	.00000	.00080	-.41860	-1.76850	9.54000
1.510	.956	.43740	-.02830	.15140	.10370	.00060	.00000	.00140	-.16740	-2.07950	9.54000
1.510	1.201	.43940	-.02880	.15140	.10440	.00050	-.00010	.00190	-.00240	-2.40560	9.54000
1.510	1.488	.43740	-.02790	.15090	.10390	.00130	-.00010	.00220	.34300	-2.63310	9.53000
1.510	1.787	.43850	-.02900	.15110	.10420	.00110	-.00010	.00260	.71990	-2.85300	9.53000
1.510	2.146	.43950	-.02910	.15120	.10420	.00130	-.00020	.00310	1.12050	-3.17150	9.53000
1.510	2.480	.44020	-.03010	.15140	.10460	.00090	-.00020	.00360	1.57590	-3.38390	9.54000
1.510	2.768	.44100	-.02940	.15130	.10440	.00160	-.00020	.00400	2.01570	-3.52040	9.53000
1.510	3.012	.43910	-.02980	.15130	.10420	.00120	-.00020	.00440	2.32200	-3.70240	9.53000
1.510	3.278	.44130	-.03020	.15180	.10480	.00130	-.00030	.00480	2.79310	-3.76310	9.53000
1.510	3.549	.44190	-.03030	.15200	.10500	.00140	-.00040	.00520	3.12300	-3.97540	9.53000
1.510	3.917	.44070	-.03150	.15230	.10530	.00100	-.00030	.00610	3.32710	-4.50630	9.54000
1.510	4.219	.44340	-.03190	.15250	.10550	.00090	-.00040	.00660	3.68050	-4.75660	9.54000
1.510	4.656	.44480	-.03220	.15300	.10600	.00120	-.00040	.00700	4.18310	-5.12820	9.55000
1.510	5.037	.44170	-.03290	.15250	.10530	.00090	-.00040	.00750	4.50510	-5.56800	9.53000
1.510	5.412	.44360	-.03250	.15300	.10580	.00160	-.00050	.00810	4.96060	-5.86380	9.53000
1.510	5.745	.44390	-.03240	.15370	.10650	.00140	-.00050	.00860	5.33750	-6.15200	9.54000
1.510	6.030	.44500	-.03370	.15410	.10690	.00060	-.00060	.00910	5.61240	-6.44770	9.55000
1.510	6.374	.44610	-.03320	.15450	.10730	.00130	-.00060	.00960	5.98930	-6.75870	9.54000
1.510	6.780	.44390	-.03390	.15450	.10690	.00070	-.00050	.01000	6.46830	-7.09240	9.53000
1.510	7.148	.44180	-.03310	.15510	.10710	.00070	-.00060	.01040	6.92380	-7.37300	9.53000
1.510	7.590	.44490	-.03300	.15600	.10720	.00150	-.00050	.01100	7.48140	-7.69910	9.54000
1.510	7.823	.44340	-.03420	.15660	.10700	.00070	-.00060	.01150	7.58350	-8.06310	9.53000
1.510	8.082	.44350	-.03420	.15660	.10680	.00050	-.00070	.01200	7.82690	-8.33610	9.54000
1.510	8.517	.44520	-.03390	.15710	.10750	.00160	-.00060	.01260	8.45520	-8.57880	9.54000
1.510	8.806	.44470	-.03400	.15770	.10820	.00070	-.00080	.01330	8.73000	-8.88210	9.54000
1.510	9.173	.44370	-.03400	.15800	.10850	.00060	-.00080	.01380	9.13840	-9.20820	9.53000
1.510	9.446	.44610	-.03470	.15880	.10930	.00110	-.00080	.01440	9.31900	-9.57230	9.54000
1.510	9.799	.44270	-.03510	.15920	.10940	.00110	-.00080	.01490	9.58600	-10.01210	9.53000
1.510	10.223	.44460	-.03460	.16010	.11000	.00070	-.00100	.01560	9.96290	-10.48230	9.55000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD114)

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	BOFLAP =	.000
RUDDER =	.000		

RUN NO. 117/ 0 RN/L = 8.11

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CEL	ELVN-L	ELVN-R	ALPHA
1.510	10.577	.44380	-.03510	.15980	.10960	.00120	-.00100	.01610	10.26920	-10.88430	9.54000
1.510	10.898	.44490	-.03510	.16100	.11100	.00100	-.00100	.01680	10.67760	-11.11940	9.57000
1.510	11.142	.44520	-.03540	.16140	.11140	.00030	-.00100	.01700	10.96030	-11.32410	9.54000

LA67 (LTV 552) ORBITER 49-0

(RFD114)

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BOFLAP =	.000
RUDDER =	.000		

RUN NO. 103/ 0 RN/L = 8.33

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CEL	ELVN-L	ELVN-R	ALPHA
2.010	-2.199	.31290	-.01300	.13100	.09720	.00170	-.00030	-.00150	-3.26930	1.12840	9.53000
2.010	-1.793	.31420	-.01280	.13100	.09700	.00180	-.00020	-.00120	-2.83740	.74920	9.53000
2.010	-1.445	.31430	-.01200	.13100	.09700	.00170	-.00030	-.00090	-2.44470	.44580	9.53000
2.010	-1.037	.31310	-.01270	.13130	.09710	.00200	-.00030	-.00050	-2.06780	.00600	9.53000
2.010	-.603	.31420	-.01270	.13100	.09680	.00160	-.00040	-.00030	-1.73010	-.52480	9.53000
2.010	-.201	.31230	-.01260	.13090	.09660	.00200	-.00050	.00000	-1.32960	-.92670	9.53000
2.010	.126	.31340	-.01320	.13110	.09680	.00220	-.00040	.00030	-1.00760	-1.26040	9.52000
2.010	.408	.31460	-.01290	.13120	.09700	.00200	-.00060	.00060	-.70920	-1.52590	9.53000
2.010	.733	.31430	-.01260	.13080	.09650	.00180	-.00060	.00090	-.31660	-1.78370	9.53000
2.010	.942	.31420	.01300	.13120	.09700	.00170	-.00060	.00120	-.12020	-2.00360	9.53000
2.010	1.261	.31430	-.01270	.13080	.09660	.00230	-.00070	.00160	.13880	-2.38280	9.54000
2.010	1.589	.31260	-.01280	.13060	.09650	.00220	-.00070	.00190	.48440	-2.69380	9.53000
2.010	1.924	.31280	-.01360	.13070	.09650	.00230	-.00070	.00220	.79060	-3.05780	9.54000
2.010	2.249	.31390	-.01330	.13050	.09660	.00200	-.00080	.00250	1.15190	-3.34600	9.53000
2.010	2.517	.31340	-.01400	.13070	.09690	.00230	-.00090	.00280	1.50520	-3.52800	9.52000
2.010	2.835	.31370	-.01380	.13100	.09720	.00250	-.00090	.00310	1.94500	-3.72520	9.52000
2.010	3.113	.31540	-.01380	.13100	.09720	.00190	-.00100	.00330	2.25130	-3.97540	9.52000
2.010	3.435	.31530	-.01460	.13070	.09700	.00250	-.00100	.00370	2.64390	-4.22570	9.52000
2.010	3.764	.31590	-.01500	.13140	.09780	.00220	-.00110	.00390	3.04440	-4.48350	9.51000
2.010	4.006	.31630	-.01460	.13130	.09780	.00210	-.00100	.00420	3.24860	-4.76410	9.53000
2.010	4.243	.31530	-.01470	.13100	.09740	.00210	-.00120	.00450	3.31140	-5.17370	9.52000
2.010	4.477	.31560	-.01550	.13090	.09750	.00200	-.00110	.00480	3.51560	-5.43910	9.52000
2.010	4.907	.31580	-.01540	.13130	.09800	.00250	-.00120	.00520	4.01040	-5.80310	9.52000
2.010	5.170	.31730	-.01560	.13140	.09810	.00220	-.00130	.00550	4.34020	-6.00030	9.53000
2.010	5.515	.31750	-.01570	.13180	.09840	.00240	-.00130	.00570	4.77210	-6.25810	9.52000
2.010	5.737	.31640	-.01590	.13150	.09820	.00230	-.00130	.00590	5.11760	-6.35670	9.50000
2.010	6.016	.31780	-.01730	.13210	.09890	.00190	-.00130	.00620	5.46320	-6.56910	9.51000
2.010	6.249	.31680	-.01650	.13200	.09860	.00220	-.00140	.00650	5.75370	-6.74350	9.51000
2.010	6.523	.31760	-.01680	.13230	.09890	.00240	-.00140	.00670	6.06000	-6.98620	9.51000
2.010	6.903	.31660	-.01720	.13250	.09920	.00180	-.00150	.00710	6.54690	-7.25920	9.51000
2.010	7.263	.31850	-.01760	.13270	.09940	.00180	-.00150	.00740	6.97880	-7.54740	9.52000
2.010	7.662	.31910	-.01740	.13280	.09950	.00230	-.00160	.00780	7.48920	-7.83560	9.51000
2.010	7.910	.31790	-.01790	.13290	.09970	.00190	-.00160	.00820	7.55210	-8.26790	9.51000
2.010	8.162	.31820	-.01730	.13300	.09980	.00270	-.00170	.00840	7.85830	-8.46500	9.51000
2.010	8.584	.31820	-.01800	.13330	.10020	.00200	-.00170	.00880	8.37660	-8.79110	9.51000
2.010	8.889	.31720	-.01790	.13330	.10030	.00250	-.00180	.00910	8.67500	-9.10210	9.52000
2.010	9.213	.31700	-.01780	.13350	.10040	.00220	-.00190	.00950	9.02840	-9.39780	9.51000
2.010	9.498	.31850	-.01870	.13320	.10090	.00210	-.00190	.00980	9.27970	-9.71640	9.52000
2.010	9.885	.31870	-.01860	.13450	.10140	.00200	-.00190	.01010	9.53100	-10.23960	9.52000
2.010	10.259	.31880	-.01870	.13470	.10160	.00230	-.00200	.01050	9.88440	-10.63400	9.51000
2.010	10.591	.31950	-.01880	.13520	.10200	.00300	-.00210	.01080	10.23780	-10.94490	9.52000
2.010	10.908	.32010	-.01880	.13530	.10210	.00280	-.00220	.01120	10.58330	-11.23310	9.50000

LA67 (LTV 552) ORBITER 49-0

(RFD115)

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	5.000
SPDRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 118/ 0 RN/L = 8.10

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
1.510	-3.831	.46510	-.05020	.15710	.10790	.00090	.00110	-.00610	-.28510	7.37740	9.51000
1.510	-3.363	.46470	-.04990	.15660	.10730	.00080	.00110	-.00570	-.19880	6.52800	9.52000
1.510	-2.176	.46510	-.04960	.15670	.10690	.00070	.00100	-.00500	.08380	4.43490	9.53000
1.510	-1.593	.46250	-.04960	.15610	.10600	.00100	.00060	-.00280	1.79580	4.98090	9.53000
1.510	-1.208	.46370	-.04900	.15590	.10580	.00040	.00040	-.00230	2.09420	4.51070	9.52000
1.510	-.838	.46540	-.04940	.15660	.10670	.00060	.00040	-.00180	2.47920	4.15430	9.52000
1.510	-.461	.46240	-.04950	.15590	.10570	.00090	.00040	-.00120	2.98950	3.91160	9.52000
1.510	-.184	.46230	-.04930	.15590	.10540	.00090	.00020	-.00060	3.20150	3.57040	9.52000
1.510	.036	.46360	-.04970	.15600	.10550	.00070	.00020	-.00020	3.25650	3.18360	9.52000
1.510	.275	.46300	-.04930	.15610	.10580	.00090	.00000	.00040	3.43710	2.88780	9.53000
1.510	.691	.46390	-.04920	.15620	.10580	.00030	.00000	.00080	3.83760	2.45550	9.51000
1.510	1.078	.46220	-.04930	.15600	.10560	.00100	.00000	.00140	4.29310	2.13700	9.52000
1.510	1.417	.46520	-.04890	.15520	.10610	.00080	-.00030	.00200	4.61500	1.78060	9.52000
1.510	1.731	.46410	-.04950	.15570	.10680	.00080	-.00020	.00260	5.03120	1.56820	9.52000
1.510	2.057	.46230	-.04900	.15540	.10620	.00070	-.00030	.00320	5.43960	1.32550	9.52000
1.510	2.361	.46400	-.04960	.15610	.10700	.00060	-.00040	.00370	5.71440	.99190	9.51000
1.510	2.756	.46420	-.04950	.15630	.10690	.00070	-.00050	.00420	6.17780	.66580	9.51000
1.510	3.254	.46420	-.04920	.15640	.10710	.00060	-.00060	.00460	6.71180	.20310	9.52000
1.510	3.732	.46400	-.04920	.15550	.10620	.00100	-.00060	.00520	7.15160	-.31250	9.52000
1.510	4.156	.46370	-.04970	.15620	.10700	.00040	-.00070	.00560	7.54420	-.76750	9.53000
1.510	4.649	.46390	-.04960	.15640	.10690	.00040	-.00100	.00670	7.99970	-1.29830	9.52000
1.510	5.033	.46370	-.05000	.15560	.10630	.00110	-.00110	.00730	8.47870	-1.58650	9.52000
1.510	5.289	.46330	-.05040	.15590	.10690	.00050	-.00120	.00770	8.80850	-1.76850	9.52000
1.510	5.632	.46530	-.05090	.15640	.10750	.00120	-.00130	.00820	9.16190	-2.10220	9.51000
1.510	5.856	.46360	-.05080	.15600	.10710	.00070	-.00150	.00880	9.37400	-2.33730	9.51000
1.510	6.103	.46390	-.05120	.15660	.10770	.00090	-.00160	.00910	9.66450	-2.54210	9.51000
1.510	6.413	.46660	-.05210	.15720	.10840	.00150	-.00170	.00960	10.02570	-2.79990	9.53000
1.510	6.691	.46560	-.05240	.15710	.10810	.00110	-.00180	.01010	10.33200	-3.05020	9.51000
1.510	7.036	.46580	-.05230	.15740	.10840	.00120	-.00200	.01060	10.77960	-3.29290	9.51000
1.510	7.316	.46870	-.05310	.15850	.10970	.00160	-.00210	.01100	11.14090	-3.49010	9.52000
1.510	7.690	.46710	-.05370	.15840	.10940	.00120	-.00230	.01140	11.77700	-3.60380	9.51000
1.510	8.026	.46670	-.05430	.15850	.10960	.00140	-.00240	.01180	12.31880	-3.73270	9.51000
1.510	8.407	.46910	-.05590	.15940	.11090	.00130	-.00270	.01280	12.63290	-4.18020	9.51000
1.510	8.634	.47040	-.05590	.16020	.11200	.00160	-.00280	.01340	12.84500	-4.42290	9.52000
1.510	8.946	.47160	-.05680	.16040	.11220	.00160	-.00290	.01380	13.15120	-4.74140	9.52000
1.510	9.345	.47110	-.05650	.16050	.11230	.00190	-.00310	.01420	13.63810	-5.05230	9.51000
1.510	9.572	.47020	-.05610	.16070	.11230	.00230	-.00310	.01440	13.82660	-5.31780	9.51000

LA67 (LTV 552) ORBITER 49-0

(RFD115)

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	5.000
SPOBRK	=	55.000	RN/L	=	8.000
GR17NO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 106/ 0 RN/L * 8.35

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.010	-6.803	.32490	-.02410	.13340	.09640	.00140	.00080	-.00640	-4.87910	8.72730	9.54000
2.010	-6.475	.32460	-.02410	.13330	.10020	.00110	.00060	-.00600	-4.52580	8.42400	9.54000
2.010	-6.251	.32660	-.02400	.13290	.09970	.00140	.00050	-.00560	-4.26660	8.23440	9.53000
2.010	-5.983	.32630	-.02440	.13310	.09960	.00140	.00040	-.00540	-3.93680	8.02960	9.54000
2.010	-5.748	.32480	-.02400	.13290	.09930	.00120	.00050	-.00520	-3.70120	7.79450	9.54000
2.010	-5.459	.32660	-.02380	.13300	.09940	.00110	.00030	-.00490	-3.44990	7.46840	9.54000
2.010	-5.035	.32530	-.02360	.13300	.09920	.00100	.00030	-.00470	-2.84520	7.22570	9.53000
2.010	-4.749	.32710	-.02390	.13320	.09940	.00120	.00020	-.00440	-2.51540	6.98310	9.51000
2.010	-4.533	.32630	-.02370	.13330	.09930	.00140	.00010	-.00410	-2.29550	6.77070	9.54000
2.010	-4.317	.32560	-.02410	.13310	.09890	.00150	.00010	-.00390	-2.07560	6.55840	9.52000
2.010	-3.991	.32610	-.02400	.13290	.09860	.00180	.00000	-.00370	-1.66730	6.31570	9.52000
2.010	-3.709	.32660	-.02480	.13320	.09890	.00150	.00000	-.00340	-1.35310	6.06540	9.54000
2.010	-3.272	.32530	-.02460	.13320	.09890	.00140	.00000	-.00310	-.81910	5.72420	9.54000
2.010	-2.971	.32520	-.02360	.13270	.09840	.00160	.00000	-.00270	-.55210	5.39050	9.55000
2.010	-2.728	.32750	-.02350	.13340	.09910	.00160	-.00010	-.00250	-.31660	5.14020	9.55000
2.010	-2.477	.32780	-.02360	.13320	.09880	.00150	.00000	-.00230	-.04170	4.91270	9.55000
2.010	-2.223	.32610	-.02380	.13310	.09840	.00180	-.00010	-.00190	.19380	4.63970	9.54000
2.010	-1.927	.32640	-.02430	.13340	.09890	.00180	-.00020	-.00150	.42940	4.28320	9.54000
2.010	-1.700	.32650	-.02450	.13310	.09840	.00190	-.00020	-.00120	.63360	4.03300	9.55000
2.010	-1.406	.32740	-.02390	.13350	.09870	.00160	-.00030	-.00100	.95550	3.76750	9.56000
2.010	-1.032	.32760	-.02430	.13340	.09880	.00200	-.00030	-.00070	1.50520	3.57040	9.55000
2.010	-.766	.32640	-.02380	.13320	.09830	.00160	-.00040	-.00040	1.79580	3.32770	9.54000
2.010	-.534	.32740	-.02510	.13390	.09900	.00160	-.00040	-.00030	2.05500	3.12290	9.53000
2.010	-.181	.32690	-.02490	.13350	.09870	.00180	-.00050	.00000	2.49470	2.85750	9.55000
2.010	.261	.32700	-.02480	.13340	.09870	.00190	-.00050	.00030	3.09160	2.56930	9.55000
2.010	.636	.32630	-.02430	.13350	.09850	.00170	-.00060	.00080	3.28000	2.00810	9.55000
2.010	.968	.32820	-.02480	.13360	.09870	.00130	-.00070	.00130	3.61770	1.68200	9.54000
2.010	1.255	.32990	-.02540	.13410	.09930	.00140	-.00080	.00160	4.02610	1.51510	9.55000
2.010	1.515	.32900	-.02520	.13390	.09910	.00180	-.00090	.00190	4.37940	1.34830	9.55000
2.010	1.740	.32800	-.02540	.13390	.09900	.00200	-.00090	.00210	4.66220	1.18150	9.53000
2.010	1.979	.32820	-.02610	.13380	.09910	.00130	-.00100	.00240	4.86630	.90840	9.54000
2.010	2.226	.32900	-.02640	.13420	.09940	.00180	-.00100	.00260	5.11760	.66580	9.54000
2.010	2.507	.32880	-.02650	.13380	.09890	.00190	-.00110	.00290	5.36890	.35480	9.54000
2.010	2.792	.33030	-.02670	.13440	.09980	.00180	-.00130	.00320	5.64380	.05910	9.53000
2.010	3.151	.33010	-.02720	.13430	.09980	.00190	-.00120	.00350	5.98150	-.32000	9.53000
2.010	3.609	.32980	-.02690	.13410	.09960	.00180	-.00120	.00380	6.61760	-.60060	9.54000
2.010	4.020	.32940	-.02720	.13450	.10020	.00190	-.00140	.00410	7.15150	-.88080	9.55000

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552. LA67

PAGE 199

LA67 (LTV 552) ORBITER 49-0

(RFD116)

PARAMETRIC DATA

ALPHA	=	12.000	ELEVON	=	-10.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 122/ 0 RN/L = 8.12

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CSL	ELVN-L	ELVN-R	ALPHA
1.510	-3.105	.48690	-.00700	.14960	.10100	.00230	-.00110	-.00490	-12.56720	-6.35670	11.48000
1.510	-2.777	.48300	-.00710	.14910	.10020	.00230	-.00090	-.00450	-12.22170	-6.66770	11.45000
1.510	-2.537	.48470	-.00690	.14920	.10060	.00200	-.00080	-.00430	-11.91540	-6.84210	11.45000
1.510	-2.131	.48330	-.00750	.14860	.10010	.00210	-.00060	-.00370	-11.27150	-7.00890	11.45000
1.510	-1.915	.48430	-.00790	.14860	.10010	.00160	-.00050	-.00340	-11.03590	-7.20610	11.45000
1.510	-1.463	.48320	-.00830	.14820	.10010	.00200	-.00040	-.00270	-10.53330	-7.60810	11.46000
1.510	-1.174	.48500	-.00810	.14810	.10020	.00140	-.00030	-.00240	-10.26630	-7.91900	11.45000
1.510	-.915	.48820	-.00850	.14880	.10110	.00160	-.00030	-.00200	-9.98360	-8.15410	11.45000
1.510	-.522	.48460	-.00850	.14800	.10040	.00170	-.00010	-.00140	-9.61450	-8.57120	11.45000
1.510	-.313	.48690	-.00840	.14820	.10090	.00110	.00000	-.00120	-9.41820	-8.79110	11.45000
1.510	.130	.48560	-.00820	.14860	.10110	.00140	.00000	-.00060	-9.00200	-9.26130	11.44000
1.510	.389	.48680	-.00870	.14900	.10130	.00130	.00010	-.00020	-8.71140	-9.48880	11.45000
1.510	.666	.48600	-.00780	.14880	.10110	.00140	.00010	.00000	-8.49150	-9.82250	11.44000
1.510	.914	.48390	-.00790	.14830	.10060	.00100	.00020	.00020	-8.35020	-10.17900	11.44000
1.510	1.203	.48540	-.00810	.14870	.10100	.00070	.00030	.00060	-8.13030	-10.53540	11.44000
1.510	1.434	.48440	-.00690	.14830	.10050	.00090	.00040	.00100	-7.87900	-10.74780	11.45000
1.510	1.659	.48640	-.00720	.14850	.10060	.00110	.00040	.00130	-7.61200	-10.92980	11.44000
1.510	1.926	.48430	-.00730	.14860	.10090	.00120	.00050	.00160	-7.31360	-11.16490	11.44000
1.510	2.275	.48410	-.00690	.14860	.10070	.00030	.00060	.00230	-7.07010	-11.61990	11.44000
1.510	2.693	.48570	-.00760	.14910	.10120	.00090	.00090	.00310	-6.78740	-12.17350	11.44000
1.510	2.910	.48520	-.00690	.14950	.10190	.00040	.00090	.00340	-6.54400	-12.36310	11.46000
1.510	3.157	.48450	-.00640	.14900	.10120	.00040	.00100	.00380	-6.26910	-12.58300	11.45000
1.510	3.468	.48540	-.00680	.14900	.10110	.00050	.00110	.00420	-5.82940	-12.76500	11.45000
1.510	3.734	.48520	-.00710	.14940	.10160	.00060	.00120	.00440	-5.56240	-13.03050	11.45000
1.510	4.104	.48470	-.00740	.14940	.10170	.00030	.00150	.00520	-5.19330	-13.40210	11.44000
1.510	4.548	.48610	-.00630	.14960	.10190	-.00020	.00160	.00600	-4.73780	-13.83440	11.46000
1.510	5.007	.48550	-.00590	.15040	.10280	-.00090	.00190	.00670	-4.29020	-14.30460	11.47000
1.510	5.358	.48450	-.00650	.15060	.10300	-.00060	.00220	.00730	-3.74830	-14.46380	11.45000
1.510	5.661	.48320	-.00640	.15050	.10290	-.00100	.00230	.00760	-3.55200	-14.87330	11.45000
1.510	6.095	.48450	-.00720	.15210	.10420	-.00300	.00300	.00990	-1.68300	-13.87230	11.45000
1.510	8.045	.48500	-.00830	.15270	.10480	-.00310	.00320	.01020	-1.40810	-17.49730	11.46000
1.510	8.830	.48430	-.00830	.15230	.10420	-.00300	.00330	.01070	-1.13330	-18.79420	11.44000
1.510	9.149	.48390	-.00830	.15280	.10480	-.00310	.00350	.01090	-.88200	-19.18090	11.45000
1.510	10.245	.48460	-.00890	.15390	.10550	-.00420	.00400	.01210	-.26160	-20.75080	11.44000
1.510	10.885	.48540	-.00950	.15370	.10520	-.00430	.00400	.01280	-.26940	-22.04000	11.44000

LA67 (LTV 552) ORBITER 49-0

(RFD117)

PARAMETRIC DATA

ALPHA	=	15.000	ELEVON	=	.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 1047 0 R/L = 8.35

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.010	-3.271	.51210	-.02240	.12180	.08540	.00150	.00000	-.00290	-4.33730	2.20530	14.53000
2.010	-3.045	.50940	-.02190	.12160	.08500	.00100	.00000	-.00270	-4.18810	1.90190	14.51000
2.010	-2.759	.51140	-.02180	.12160	.08510	.00160	-.00010	-.00240	-3.88180	1.63650	14.53000
2.010	-2.371	.50890	-.02170	.12120	.08450	.00120	-.00020	-.00200	-3.37920	1.36350	14.51000
2.010	-2.052	.51050	-.02180	.12140	.08470	.00210	-.00020	-.00150	-3.08870	1.01460	14.51000
2.010	-1.579	.51150	-.02180	.12150	.08490	.00130	-.00030	-.00120	-2.49180	.66580	14.53000
2.010	-1.166	.51010	-.02240	.12140	.08480	.00130	-.00030	-.00090	-2.09130	.24110	14.51000
2.010	-.805	.51070	-.02150	.12130	.08470	.00150	-.00040	-.00050	-1.79290	-.18350	14.52000
2.010	-.323	.51010	-.02210	.12140	.08480	.00130	-.00040	-.00020	-1.36100	-.71440	14.52000
2.010	.036	.51020	-.02160	.12140	.08490	.00200	-.00050	.00010	-.99190	-1.06320	14.53000
2.010	.305	.50980	-.02180	.12140	.08490	.00180	-.00050	.00040	-.74850	-1.35900	14.53000
2.010	.626	.51030	-.02230	.12130	.08480	.00180	-.00050	.00080	-.40290	-1.65480	14.52000
2.010	.869	.51040	-.02210	.12140	.08470	.00180	-.00060	.00120	-.15950	-1.89750	14.53000
2.010	1.142	.51060	-.02200	.12120	.08450	.00140	-.00070	.00160	.06030	-2.22360	14.51000
2.010	1.551	.51060	-.02190	.12140	.08470	.00240	-.00070	.00200	.45290	-2.64830	14.53000
2.010	1.890	.50990	-.02200	.12130	.08440	.00170	-.00080	.00240	.75920	-3.01990	14.51000
2.010	2.218	.51050	-.02240	.12170	.08490	.00190	-.00090	.00270	1.09690	-3.33840	14.52000
2.010	2.547	.50920	-.02190	.12150	.08460	.00180	-.00090	.00300	1.49740	-3.59620	14.51000
2.010	2.853	.51170	-.02170	.12160	.08500	.00230	-.00100	.00340	1.88220	-3.82370	14.52000
2.010	3.151	.51140	-.02170	.12190	.08510	.00210	-.00110	.00370	2.24340	-4.05880	14.53000
2.010	3.510	.51120	-.02270	.12200	.08520	.00240	-.00110	.00400	2.62040	-4.40010	14.52000
2.010	3.917	.51030	-.02270	.12200	.08520	.00220	-.00110	.00430	3.10730	-4.72620	14.52000
2.010	4.166	.51100	-.02240	.12190	.08510	.00180	-.00130	.00470	3.29570	-5.03720	14.51000
2.010	4.432	.51200	-.02300	.12250	.08580	.00230	-.00130	.00500	3.32710	-5.53770	14.52000
2.010	4.733	.51150	-.02330	.12270	.08590	.00230	-.00130	.00540	3.63340	-5.83350	14.52000
2.010	5.105	.51130	-.02260	.12250	.08570	.00210	-.00150	.00580	4.08100	-6.12920	14.51000
2.010	5.388	.51170	-.02300	.12220	.08560	.00210	-.00150	.00610	4.41090	-6.36430	14.50000
2.010	5.779	.51040	-.02340	.12230	.08590	.00190	-.00150	.00640	4.90560	-6.65250	14.51000
2.010	6.103	.51190	-.02390	.12290	.08670	.00230	-.00160	.00670	5.23540	-6.97100	14.52000
2.010	6.405	.51250	-.02330	.12290	.08640	.00250	-.00170	.00710	5.58090	-7.22890	14.51000
2.010	6.694	.51200	-.02440	.12330	.08700	.00220	-.00180	.00740	5.83220	-7.55500	14.50000
2.010	7.110	.51060	-.02410	.12320	.08680	.00280	-.00180	.00790	6.24850	-7.97210	14.51000
2.010	7.495	.51140	-.02490	.12330	.08680	.00270	-.00180	.00810	6.79030	-8.19960	14.50000
2.010	7.826	.51270	-.02550	.12340	.08680	.00270	-.00190	.00840	7.28500	-8.36640	14.52000
2.010	8.101	.51290	-.02570	.12350	.08720	.00270	-.00200	.00880	7.63060	-8.57120	14.51000
2.010	8.610	.51410	-.02570	.12410	.08810	.00230	-.00220	.00940	8.14100	-9.07930	14.50000
2.010	8.963	.51430	-.02590	.12390	.08800	.00290	-.00230	.00980	8.61220	-9.31440	14.52000
2.010	9.185	.51390	-.02610	.12390	.08820	.00310	-.00240	.01000	8.92630	-9.44330	14.51000
2.010	9.663	.51350	-.02750	.12430	.08910	.00290	-.00250	.01060	9.36610	-9.95900	14.51000

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 201

LA67 (LTV 552) ORBITER 49-0

(RFD118)

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	5.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	SDFLAP =	.000
RUDDER =	.000		

RUN NO. 105/ 0 RN/L = 8.14

MACH	ATLRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.010	-7.219	.52490	-.03260	.12450	.08880	.00040	.00100	-.00750	-5.48380	8.95490	14.49000
2.010	-7.011	.52510	-.03300	.12450	.08870	.00060	.00100	-.00710	-5.26390	8.75770	14.50000
2.010	-6.767	.52430	-.03250	.12430	.08840	.00080	.00100	-.00680	-4.96550	8.56810	14.48000
2.010	-6.482	.52290	-.03310	.12410	.08820	.00090	.00080	-.00640	-4.73780	8.22680	14.49000
2.010	-6.246	.52360	-.03220	.12410	.08820	.00080	.00070	-.00620	-4.46290	8.02960	14.49000
2.010	-5.977	.52230	-.03240	.12400	.08800	.00120	.00070	-.00600	-4.23520	7.71870	14.49000
2.010	-5.684	.52260	-.03190	.12400	.08800	.00130	.00070	-.00570	-3.94460	7.42290	14.49000
2.010	-5.212	.52040	-.03190	.12360	.08740	.00060	.00050	-.00500	-3.41850	7.00580	14.50000
2.010	-4.824	.52240	-.03230	.12390	.08770	.00110	.00050	-.00480	-2.89230	6.75550	14.51000
2.010	-4.487	.52210	-.03130	.12360	.08730	.00110	.00040	-.00440	-2.45260	6.52050	14.50000
2.010	-4.263	.52270	-.03110	.12360	.08720	.00120	.00040	-.00410	-2.24050	6.28540	14.50000
2.010	-3.974	.52330	-.03200	.12390	.08760	.00090	.00030	-.00400	-1.98140	5.96680	14.52000
2.010	-3.673	.52230	-.03180	.12390	.08760	.00100	.00020	-.00370	-1.68300	5.66350	14.52000
2.010	-3.406	.52170	-.03190	.12370	.08740	.00110	.00020	-.00340	-1.36890	5.44360	14.49000
2.010	-3.038	.52250	-.03190	.12320	.08680	.00180	.00010	-.00300	-.92910	5.14780	14.50000
2.010	-2.702	.52330	-.03190	.12350	.08710	.00160	.00000	-.00260	-.57570	4.82930	14.51000
2.010	-2.478	.52260	-.03220	.12360	.08730	.00150	.00000	-.00240	-.28510	4.67000	14.50000
2.010	-2.220	.52220	-.03210	.12350	.08710	.00160	.00000	-.00200	-.08100	4.35910	14.50000
2.010	-1.997	.52210	-.03220	.12360	.08700	.00160	-.00010	-.00170	.09960	4.09360	14.50000
2.010	-1.711	.52430	-.03210	.12360	.08720	.00150	-.00020	-.00150	.40580	3.82820	14.50000
2.010	-1.454	.52250	-.03160	.12330	.08680	.00130	-.00030	-.00120	.57860	3.48690	14.50000
2.010	-1.227	.52140	-.03220	.12330	.08670	.00160	-.00030	-.00080	.75920	3.21390	14.50000
2.010	-.808	.52180	-.03220	.12320	.08670	.00140	-.00040	-.00050	1.35600	2.97120	14.50000
2.010	-.533	.52330	-.03250	.12330	.08660	.00140	-.00050	-.00030	1.67800	2.74370	14.50000
2.010	-.293	.52340	-.03280	.12320	.08650	.00160	-.00050	.00000	1.92140	2.50860	14.50000
2.010	.012	.52310	-.03220	.12330	.08680	.00130	-.00060	.00020	2.27480	2.25080	14.50000
2.010	.353	.52330	-.03220	.12320	.08670	.00140	-.00060	.00050	2.72250	2.01570	14.51000
2.010	.844	.52180	-.03250	.12320	.08640	.00150	-.00080	.00120	3.22510	1.53790	14.51000
2.010	1.179	.52310	-.03310	.12330	.08640	.00160	-.00100	.00180	3.53130	1.17390	14.52000
2.010	1.497	.52510	-.03310	.12350	.08680	.00160	-.00100	.00210	3.84750	.95390	14.51000
2.010	1.803	.52460	-.03360	.12400	.08740	.00190	-.00110	.00250	4.31660	.71130	14.49000
2.010	2.134	.52540	-.03270	.12390	.08730	.00180	-.00100	.00280	4.59930	.33210	14.50000
2.010	2.438	.52460	-.03290	.12360	.08670	.00150	-.00120	.00300	4.88200	.00600	14.51000
2.010	2.721	.52500	-.03320	.12420	.08750	.00180	-.00130	.00340	5.04690	-.39590	14.50000
2.010	3.002	.52490	-.03320	.12420	.08750	.00200	-.00140	.00370	5.24330	-.75990	14.50000
2.010	3.284	.52630	-.03370	.12430	.08760	.00180	-.00150	.00400	5.58090	-.98740	14.52000
2.010	3.501	.52490	-.03380	.12400	.08730	.00170	-.00150	.00420	5.84800	-1.15430	14.50000
2.010	3.781	.52520	-.03400	.12430	.08770	.00210	-.00160	.00460	6.22490	-1.33630	14.51000
2.010	4.227	.52460	-.03390	.12410	.08750	.00210	-.00160	.00480	6.81390	-1.63960	14.50000

LA67 (LTV 552) ORBITER 49-0

(RFD119)

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	.000
SPOBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 92/ 0 RN/L = 10.55

MACH	AIRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.990	1.948	.22390	-.00430	.09660	.07890	.00030	-.00010	.00130	-1.36100	-5.25710	9.97000
2.990	2.436	.22580	-.00340	.09690	.07880	-.00010	-.00020	.00150	-1.00760	-5.87900	9.97000
2.990	2.775	.22440	-.00330	.09690	.07870	.00000	-.00020	.00170	-.64640	-6.19750	9.97000
2.990	2.996	.22420	-.00420	.09660	.07840	.00030	-.00020	.00190	-.40290	-6.39470	9.98000
2.990	3.296	.22430	-.00340	.09680	.07840	.00000	-.00020	.00200	-.12020	-6.71320	9.98000
2.990	3.547	.22520	-.00390	.09680	.07840	.00020	-.00030	.00230	.11530	-6.97860	10.00000
2.990	3.845	.22500	-.00350	.09690	.07850	.00020	-.00030	.00240	.44510	-7.24 00	10.00000
2.990	4.106	.22530	-.00360	.09660	.07820	.00040	-.00020	.00260	.65710	-7.55500	9.98000
2.990	4.392	.22520	-.00430	.09660	.07820	.00050	-.00040	.00280	.96340	-7.82040	9.99000
2.990	4.709	.22580	-.00420	.09690	.07850	.00030	-.00040	.00300	1.34030	-8.07830	9.99000
2.990	5.063	.22470	-.00480	.09680	.07840	.00070	-.00040	.00320	1.81940	-8.30580	10.00000
2.990	5.326	.22450	-.00480	.09660	.07830	.00060	-.00030	.00340	2.12560	-8.52570	9.99000
2.990	5.640	.22650	-.00440	.09700	.07870	.00020	-.00040	.00350	2.52610	-8.75320	10.00000
2.990	6.027	.22500	-.00510	.09680	.07860	.00070	-.00030	.00370	3.02870	-9.02620	9.98000
2.990	6.317	.22550	-.00550	.09680	.07870	.00080	-.00040	.00390	3.31930	-9.31440	9.98000
2.990	6.527	.22630	-.00480	.09700	.07900	.00070	-.00050	.00420	3.40570	-9.64810	10.00000
2.990	6.828	.22510	-.00470	.09710	.07910	.00080	-.00050	.00440	3.49990	-10.15620	9.99000
2.990	7.249	.22590	-.00580	.09730	.07930	.00090	-.00050	.00460	3.93970	-10.55820	9.99000
2.990	7.631	.22600	-.00550	.09700	.07920	.00090	-.00050	.00490	4.32450	-10.93740	9.98000
2.990	7.987	.22490	-.00560	.09720	.07940	.00100	-.00050	.00510	4.71710	-11.25590	9.99000
2.990	8.372	.22660	-.00500	.09770	.07980	.00040	-.00060	.00520	5.06270	-11.68060	9.98000
2.990	8.762	.22600	-.00530	.09780	.07990	.00070	-.00070	.00550	5.50240	-12.02180	9.99000
2.990	9.016	.22690	-.00610	.09780	.08000	.00070	-.00060	.00560	5.71450	-12.31760	9.97000
2.990	9.356	.22680	-.00640	.09780	.08000	.00090	-.00060	.00590	6.07570	-12.63610	9.98000
2.990	9.758	.22580	-.00630	.09810	.08030	.00120	-.00070	.00620	6.53900	-12.97740	9.99000
2.990	10.192	.22720	-.00590	.09830	.08060	.00090	-.00080	.00640	7.07300	-13.31110	9.98000
2.990	10.514	.22730	-.00710	.09860	.08080	.00090	-.00070	.00650	7.49710	-13.53100	9.98000
2.990	10.768	.22710	-.00750	.09860	.08090	.00120	-.00080	.00680	7.69340	-13.84190	9.98000
2.990	11.032	.22820	-.00670	.09880	.08100	.00100	-.00090	.00700	7.84260	-14.22110	9.98000
2.990	11.322	.22840	-.00760	.09890	.08120	.00100	-.00080	.00720	8.15670	-14.48660	9.98000
2.990	11.713	.22790	-.00800	.09910	.08140	.00120	-.00080	.00740	8.65150	-14.77480	9.98000
2.990	12.274	.22890	-.00690	.09960	.08170	.00080	-.00090	.00760	9.05200	-15.49520	9.97000
2.990	13.416	.22870	-.00830	.09970	.08180	.00120	-.00090	.00780	9.33470	-17.49730	9.97000

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD120)

PARAMETRIC DATA

ALPHA	=	15.000	ELEVON	=	.000
SPOBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSP0S	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 93/ 0 RN/L = 10.73

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.990	1.177	.39180	-.01140	.09170	.07230	-.00030	-.00020	.00080	-1.44740	-3.80100	15.03000
2.990	1.519	.39000	-.01110	.09180	.07230	-.00010	-.00030	.00110	-1.16470	-4.20290	15.03000
2.990	1.874	.39170	-.01080	.09150	.07190	-.00060	-.00040	.00120	-.81130	-4.55940	15.05000
2.990	2.202	.39140	-.01140	.09180	.07230	.00000	-.00030	.00160	-.48930	-4.89310	15.04000
2.990	2.528	.39060	-.01140	.09170	.07220	.00000	-.00040	.00180	-.25370	-5.31020	15.04000
2.990	2.867	.39040	-.01130	.09180	.07220	.00000	-.00040	.00200	.05240	-5.68180	15.05000
2.990	3.241	.39040	-.01090	.09170	.07210	.00010	-.00050	.00230	.42940	-6.05340	15.06000
2.990	3.523	.39030	-.01100	.09170	.07220	-.00030	-.00050	.00250	.68850	-6.35670	15.04000
2.990	3.843	.38980	-.01130	.09180	.07240	.00010	-.00050	.00270	1.03410	-6.65250	15.03000
2.990	4.237	.39080	-.01190	.09180	.07230	.00010	-.00060	.00300	1.45030	-7.02410	15.03000
2.990	4.613	.39230	-.01140	.09200	.07260	-.00010	-.00070	.00330	1.89790	-7.32750	15.05000
2.990	4.941	.39140	-.01150	.09240	.07290	-.00040	-.00070	.00340	2.22770	-7.65360	15.03000
2.990	5.393	.39160	-.01220	.09250	.07300	.00000	-.00070	.00370	2.75390	-8.03280	15.03000
2.990	5.761	.39260	-.01230	.09230	.07290	.00050	-.00070	.00400	3.16580	-8.33610	15.03000
2.990	6.159	.39030	-.01230	.09260	.07320	-.00010	-.00080	.00450	3.39780	-8.92010	15.03000
2.990	6.399	.39330	-.01230	.09270	.07330	.00050	-.00090	.00470	3.71190	-9.08690	15.03000
2.990	6.698	.39450	-.01260	.09300	.07360	.00070	-.00090	.00500	4.07320	-9.32200	15.05000
2.990	7.057	.39320	-.01370	.09300	.07360	.00000	-.00100	.00520	4.46580	-9.64810	15.04000
2.990	7.441	.39300	-.01270	.09330	.07390	.00070	-.00100	.00540	4.77210	-10.11070	15.02000
2.990	7.893	.39200	-.01340	.09340	.07390	.00020	-.00110	.00570	5.23540	-10.55060	15.02000
2.990	8.171	.39260	-.01360	.09360	.07420	.00050	-.00110	.00590	5.50240	-10.83880	15.03000
2.990	8.500	.39310	-.01370	.09370	.07430	.00070	-.00120	.00620	5.94220	-11.05870	15.03000
2.990	8.921	.39410	-.01390	.09390	.07450	.00010	-.00120	.00650	6.28770	-11.35450	15.03000
2.990	9.260	.39490	-.01410	.09420	.07470	.00100	-.00130	.00670	6.90030	-11.61990	15.04000
2.990	9.583	.39470	-.01520	.09440	.07490	.00040	-.00130	.00690	7.37140	-11.79430	15.03000
2.990	9.915	.39510	-.01530	.09470	.07520	.00060	-.00150	.00720	7.71700	-12.11280	15.03000
2.990	10.457	.39660	-.01530	.09500	.07550	.00060	-.00150	.00770	8.13320	-12.78020	15.04000
2.990	10.812	.39750	-.01560	.09510	.07590	.00080	-.00140	.00800	8.51800	-13.10630	15.04000
2.990	11.238	.39620	-.01600	.09550	.07620	.00090	-.00160	.00830	9.05200	-13.42480	15.03000
2.990	11.535	.39630	-.01530	.09550	.07630	.00080	-.00150	.00860	9.33470	-13.73580	15.04000
2.990	11.773	.39710	-.01640	.09570	.07660	.00090	-.00160	.00890	9.50750	-14.03910	15.04000
2.990	12.002	.39810	-.01580	.09620	.07680	.00080	-.00180	.00910	9.76650	-14.35760	15.03000
2.990	12.409	.39830	-.01590	.09610	.07670	.00070	-.00180	.00930	10.08860	-14.72920	15.04000
2.990	13.048	.39800	-.01620	.09650	.07730	.00090	-.00190	.00980	10.84250	-15.25250	15.05000
2.990	13.853	.39960	-.01720	.09720	.07810	.00110	-.00200	.01020	11.40000	-16.30670	15.04000
2.990	14.138	.39970	-.01770	.09720	.07830	.00160	-.00210	.01060	12.30310	-15.97300	15.04000

LA67 (LTV 552) ORBITER 49-0

(RFD121)

PARAMETRIC DATA

ALPHA	=	15.000	ELEVON	=	5.000
SPOBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 94/ 0 RN/L = 10.85

MACH	ATLIRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
2.990	.189	.40620	-.02220	.09360	.07440	-.00030	.00000	.00000	3.33500	2.95610	15.03000
2.990	.528	.40370	-.02190	.09330	.07400	-.00020	.00000	.00040	3.42920	2.37210	15.03000
2.990	1.000	.40600	-.02200	.09350	.07400	.00010	-.00030	.00100	3.71980	1.71990	15.04000
2.990	1.361	.40370	-.02230	.09360	.07430	.00000	-.00040	.00130	4.21450	1.49240	15.02000
2.990	1.686	.40290	-.02220	.09330	.07390	.00000	-.00040	.00150	4.61500	1.24210	15.02000
2.990	2.095	.40340	-.02270	.09340	.07400	.00020	-.00050	.00190	5.03120	.84020	15.02000
2.990	2.505	.40260	-.02250	.09350	.07410	.00010	-.00060	.00220	5.47890	.46860	15.01000
2.990	2.854	.40550	-.02260	.09400	.07460	-.00020	-.00070	.00250	5.69880	-.00910	15.01000
2.990	3.243	.40540	-.02340	.09380	.07450	.00030	-.00080	.00280	6.02860	-.45650	15.00000
2.990	3.711	.40520	-.02290	.09410	.07470	.00000	-.00090	.00310	6.57830	-.84330	15.02000
2.990	4.146	.40340	-.02320	.09400	.07460	.00050	-.00090	.00340	7.15940	-1.13150	15.01000
2.990	4.509	.40520	-.02350	.09420	.07480	.00050	-.00110	.00380	7.57560	-1.44240	15.02000
2.990	4.764	.40490	-.02380	.09450	.07510	.00030	-.00120	.00396	7.82690	-1.70030	15.00000
2.990	5.418	.40560	-.02360	.09450	.07520	.00040	-.00140	.00460	8.39230	-2.44350	15.00000
2.990	5.832	.40470	-.02410	.09480	.07530	.00070	-.00140	.00490	8.89490	-2.76960	15.00000
2.990	6.191	.40560	-.02470	.09510	.07560	.00030	-.00150	.00510	9.26400	-3.11850	15.01000
2.990	6.417	.40700	-.02450	.09520	.07570	.00030	-.00170	.00550	9.37400	-3.45970	15.01000
2.990	6.695	.40680	-.02500	.09520	.07570	.00080	-.00180	.00580	9.65670	-3.73270	14.99000
2.990	6.946	.40570	-.02550	.09530	.07590	.00080	-.00190	.00610	9.93940	-3.95270	15.00000
2.990	7.333	.40770	-.02550	.09580	.07630	.00050	-.00190	.00630	10.38700	-4.27890	15.01000
2.990	7.668	.40800	-.02560	.09590	.07640	.00070	-.00210	.00670	10.71680	-4.62000	15.00000
2.990	8.093	.40880	-.02580	.09600	.07650	.00110	-.00220	.00700	11.17230	-5.01440	15.00000
2.990	8.585	.40890	-.02600	.09620	.07680	.00080	-.00230	.00720	11.76910	-5.40120	15.00000
2.990	9.004	.41000	-.02640	.09660	.07710	.00090	-.00250	.00750	12.28740	-5.71970	15.00000
2.990	9.339	.40830	-.02700	.09660	.07710	.00130	-.00260	.00790	12.60150	-6.07610	15.01000
2.990	9.591	.40990	-.02690	.09710	.07760	.00090	-.00270	.00820	12.71930	-6.46290	14.99000
2.990	9.821	.40870	-.02710	.09710	.07770	.00140	-.00280	.00860	12.87640	-6.76630	14.99000
2.990	10.189	.40950	-.02820	.09770	.07820	.00120	-.00300	.00890	13.30830	-7.06960	15.00000
2.990	10.654	.40990	-.02810	.09770	.07820	.00130	-.00300	.00920	13.88160	-7.42610	15.00000
2.990	10.986	.41020	-.02870	.09830	.07880	.00150	-.00320	.00950	14.24280	-7.72940	14.98000
2.990	11.341	.41140	-.02880	.09840	.07880	.00160	-.00320	.00970	14.58830	-8.09340	15.00700

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD122)

PARAMETRIC DATA

ALPHA =	15.000	ELEVON =	.000
SPDRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BOFLAP =	.000
RUDDER =	.000		

RUN NO. 79/ 0 RN/L = 15.93

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
4.591	.107	.33760	-.01030	.07120	.06690	-.00190	.00020	-.00020	-1.05470	-1.26800	15.93000
4.591	.526	.33820	-.00930	.07070	.06620	-.00150	.00000	.00000	-.68560	-1.73820	15.94000
4.591	.758	.33740	-.00960	.07080	.06650	-.00140	.00000	.00000	-.41860	-1.93540	15.93000
4.591	1.171	.33850	-.00910	.07080	.06610	-.00140	.00000	.00040	-.01810	-2.36010	15.94000
4.591	1.376	.33820	-.01040	.07080	.06630	-.00140	.00000	.00050	.20160	-2.54970	15.93000
4.591	1.622	.33890	-.00920	.07110	.06640	-.00180	-.00010	.00050	.39010	-2.85300	15.92000
4.591	1.868	.33900	-.00970	.07100	.06630	-.00160	-.00010	.00080	.68850	-3.08810	15.93000
4.591	2.287	.33880	-.00930	.07110	.06650	-.00190	-.00010	.00090	1.14400	-3.42940	15.92000
4.591	2.706	.33870	-.01090	.07110	.06630	-.00140	-.00010	.00130	1.71730	-3.69480	15.92000
4.591	3.027	.33940	-.00980	.07110	.06660	-.00180	-.00020	.00130	2.05500	-3.99820	15.92000
4.591	3.479	.33910	-.01100	.07110	.06650	-.00130	-.00020	.00160	2.57330	-4.38500	15.93000
4.591	3.731	.34030	-.01080	.07110	.06650	-.00140	-.00020	.00180	2.87950	-4.58210	15.93000
4.591	3.994	.34020	-.01100	.07120	.06650	-.00140	-.00020	.00190	3.17790	-4.80960	15.93000
4.591	4.270	.34040	-.01100	.07120	.06660	-.00160	-.00030	.00210	3.36640	-5.17370	15.92000
4.591	4.537	.34070	-.01160	.07150	.06690	-.00130	-.00050	.00230	3.43710	-5.63630	15.93000
4.591	4.772	.34040	-.01100	.07140	.06670	-.00140	-.00040	.00250	3.66480	-5.87900	15.92000
4.591	5.240	.34120	-.01130	.07170	.06730	-.00140	-.00050	.00270	4.22240	-6.25810	15.92000
4.591	5.442	.34060	-.01270	.07160	.06690	-.00110	-.00060	.00300	4.48940	-6.39470	15.91000
4.591	5.659	.34140	-.01260	.07180	.06720	-.00110	-.00060	.00300	4.77210	-6.54630	15.92000
4.591	5.935	.34140	-.01210	.07180	.06710	-.00150	-.00060	.00320	5.15690	-6.71320	15.91000
4.591	6.171	.34190	-.01240	.07190	.06730	-.00080	-.00070	.00340	5.41600	-6.92550	15.92000
4.591	6.545	.34220	-.01300	.07200	.06730	-.00110	-.00070	.00370	5.80080	-7.28950	15.93000
4.591	6.757	.34210	-.01290	.07210	.06750	-.00080	-.00080	.00380	5.98150	-7.53220	15.93000
4.591	7.086	.34340	-.01330	.07220	.06740	-.00100	-.00080	.00400	6.40550	-7.76730	15.92000
4.591	7.354	.34310	-.01410	.07230	.06760	-.00140	-.00090	.00410	6.74320	-7.96450	15.92000
4.591	7.628	.34290	-.01340	.07250	.06770	-.00060	-.00090	.00420	7.01800	-8.23750	15.91000
4.591	7.892	.34330	-.01360	.07260	.06780	-.00070	-.00090	.00440	7.37930	-8.40440	15.91000
4.591	8.229	.34300	-.01470	.07270	.06790	-.00130	-.00100	.00460	7.57560	-8.88210	15.91000

LA67 (LTV 552) ORBITER 49-0

(RFD123)

PARAMETRIC DATA

ALPHA	=	20.000	ELEVON	=	.000
SPDRBK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 76/ 0 RN/L = 16.64

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
4.591	1.475	.47220	-.01170	.06830	.06320	-.00250	.00000	.00070	.92410	-2.02640	19.94000
4.591	1.859	.47180	-.01160	.06850	.06340	-.00210	.00000	.00090	1.37960	-2.33730	19.94000
4.591	2.067	.47390	-.01160	.06860	.06370	-.00160	.00000	.00110	1.61520	-2.51930	19.94000
4.591	2.287	.47200	-.01170	.06860	.06370	-.00210	.00000	.00120	1.83510	-2.73930	19.94000
4.591	2.607	.47480	-.01180	.06860	.06380	-.00150	.00000	.00150	2.12560	-3.08810	19.95000
4.591	2.998	.47360	-.01230	.06860	.06350	-.00200	-.00010	.00180	2.58900	-3.40660	19.95000
4.591	3.391	.47380	-.01180	.06880	.06390	-.00140	-.00010	.00200	3.16220	-3.61900	19.94000
4.591	3.643	.47440	-.01290	.06890	.06400	-.00200	-.00020	.00230	3.25650	-4.02850	19.94000
4.591	3.865	.47610	-.01280	.06880	.06390	-.00170	-.00030	.00270	3.38210	-4.34700	19.95000
4.591	4.126	.47670	-.01310	.06900	.06400	-.00130	-.00040	.00300	3.59410	-4.65800	19.96000
4.591	4.331	.47700	-.01310	.06900	.06410	-.00140	-.00040	.00310	3.80620	-4.85510	19.96000
4.591	4.578	.47540	-.01360	.06920	.06430	-.00140	-.00030	.00310	4.08890	-5.06750	19.95000
4.591	5.015	.47520	-.01350	.06910	.06420	-.00120	-.00050	.00350	4.56790	-5.46180	19.95000
4.591	5.272	.47600	-.01330	.06950	.06450	-.00130	-.00060	.00380	4.77210	-5.77280	19.95000
4.591	5.473	.47630	-.01460	.06930	.06430	-.00120	-.00050	.00390	4.96840	-5.97750	19.93000
4.591	5.726	.47560	-.01430	.06940	.06450	-.00090	-.00060	.00410	5.36110	-6.09130	19.94000
4.591	5.992	.47830	-.01460	.06960	.06440	-.00120	-.00060	.00440	5.58880	-6.39470	19.95000
4.591	6.226	.47850	-.01480	.06980	.06480	-.00110	-.00090	.00460	5.79300	-6.66010	19.95000
4.591	6.455	.47840	-.01510	.06980	.06470	-.00110	-.00090	.00480	6.09140	-6.81930	19.95000
4.591	6.707	.47850	-.01520	.07010	.06520	-.00120	-.00100	.00490	6.38200	-7.03170	19.94000
4.591	6.966	.47900	-.01550	.07010	.06510	-.00090	-.00080	.00520	6.67250	-7.25920	19.95000
4.591	7.216	.47840	-.01600	.07010	.06480	-.00090	-.00100	.00520	6.90030	-7.53220	19.96000
4.591	7.452	.47910	-.01610	.07040	.06520	-.00070	-.00100	.00540	7.18300	-7.72180	19.94000
4.591	7.665	.48000	-.01640	.07050	.06560	-.00070	-.00110	.00560	7.41860	-7.91140	19.94000
4.591	7.907	.47950	-.01610	.07070	.06560	-.00080	-.00110	.00590	7.61490	-8.19560	19.93000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD124)

PARAMETRIC DATA

ALPHA	=	20.000	ELEVON	=	-5.000
SPDRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSPOS	=	1.000
SETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 77/ 0 RN/L = 16.09

MACH	AILRON	CN	CLM	CA	CAB	CY	CYN	CBL	ELVN-L	ELVN-R	ALPHA
4.591	.407	.46190	-.00230	.06760	.06180	-.00160	.00000	-.00020	-6.11210	-6.92550	20.05030
4.591	.608	.46270	-.00170	.06740	.06170	-.00180	.00000	.00000	-6.09640	-7.31230	20.05000
4.591	.841	.46330	-.00190	.06760	.06210	-.00190	.00000	.00010	-6.00210	-7.68390	20.05000
4.591	1.083	.46250	-.00200	.06760	.06190	-.00140	.00000	.00010	-5.79010	-7.95690	20.05000
4.591	1.343	.46210	-.00250	.06780	.06230	-.00220	.00000	.00030	-5.47600	-8.16170	20.06000
4.591	1.578	.46260	-.00150	.06760	.06190	-.00130	.00000	.00050	-5.26390	-8.41950	20.05000
4.591	1.779	.46310	-.00180	.06760	.06200	-.00140	-.00010	.00060	-5.01260	-8.57120	20.05000
4.591	2.018	.46110	-.00210	.06760	.06190	-.00210	-.00010	.00070	-4.82420	-8.85940	20.05000
4.591	2.346	.46310	-.00240	.06770	.06210	-.00200	-.00010	.00100	-4.46290	-9.15520	20.06000
4.591	2.577	.46320	-.00280	.06790	.06230	-.00140	-.00010	.00100	-4.26660	-9.42060	20.05000
4.591	2.813	.46370	-.00250	.06790	.06230	-.00130	-.00010	.00110	-3.96820	-9.59500	20.05000
4.591	3.157	.46200	-.00240	.06790	.06220	-.00120	-.00010	.00120	-3.85040	-10.16380	20.05000
4.591	3.389	.46190	-.00300	.06790	.06220	-.00130	-.00010	.00140	-3.37140	-10.14860	20.05000
4.591	3.840	.46310	-.00360	.06770	.06190	-.00110	-.00010	.00170	-2.89230	-10.57330	20.05000
4.591	4.467	.46230	-.00340	.06770	.06200	-.00120	-.00020	.00170	-2.62530	-11.55920	20.05000
4.591	5.172	.46530	-.00360	.06800	.06220	-.00170	-.00020	.00170	-2.43690	-12.78020	20.05000
4.591	5.400	.46440	-.00370	.06780	.06180	-.00140	-.00020	.00190	-1.97350	-12.77260	20.05000
4.591	6.816	.46400	-.00460	.06800	.06220	-.00120	-.00050	.00240	-.95260	-14.58520	20.04000
4.591	7.759	.46500	-.00410	.06810	.06230	-.00130	-.00040	.00260	-.78770	-16.30670	20.04000
4.591	8.686	.46510	-.00530	.06840	.06220	-.00090	-.00050	.00350	.63360	-16.73900	20.02000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD125)

PARAMETRIC DATA

ALPHA	=	20.000	ELEVON	=	-10.000
SPOBRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 78/ 0 RN/L = 16.20

MACH	ALIRON	CN	CLM	CA	CAB	CY	CYN	CSL	ELVN-L	ELVN-R	ALPHA
4.591	.271	.45440	-.00210	.06750	.06200	-.00210	-.00020	-.00030	-7.35070	-7.90380	19.85000
4.591	.504	.45510	-.00120	.06740	.06200	-.00190	-.00030	-.00010	-7.30570	-8.31340	19.85000
4.591	.833	.45520	-.00120	.06730	.06200	-.00190	-.00030	.00000	-7.09370	-8.76080	19.84000
4.591	1.123	.45410	-.00160	.06760	.06190	-.00210	-.00020	.00010	-6.77960	-9.02620	19.84000
4.591	1.472	.45370	-.00170	.06760	.06200	-.00200	-.00030	.00020	-6.33980	-9.28410	19.84000
4.591	1.676	.45450	-.00190	.06730	.06190	-.00150	-.00030	.00040	-6.14350	-9.49640	19.84000
4.591	2.028	.45470	-.00210	.06740	.06160	-.00170	-.00020	.00050	-5.79010	-9.84530	19.85000
4.591	2.258	.45530	-.00130	.06750	.06180	-.00160	-.00030	.00070	-5.60950	-10.12590	19.85000
4.591	2.542	.45650	-.00170	.06770	.06190	-.00180	-.00040	.00080	-5.43670	-10.52020	19.84000
4.591	2.819	.45650	-.00180	.06760	.06170	-.00150	-.00040	.00100	-5.19330	-10.83120	19.85000
4.591	3.079	.45350	-.00220	.06740	.06160	-.00150	-.00030	.00110	-4.85560	-11.01320	19.84000
4.591	3.403	.45550	-.00230	.06750	.06170	-.00130	-.00040	.00130	-4.54150	-11.34690	19.85000
4.591	3.766	.45410	-.00270	.06750	.06180	-.00120	-.00030	.00150	-4.13310	-11.66540	19.83000
4.591	4.110	.45660	-.00250	.06770	.06200	-.00150	-.00050	.00170	-3.73260	-11.95360	19.84000
4.591	4.419	.45500	-.00250	.06780	.06200	-.00150	-.00050	.00180	-3.40280	-12.24180	19.83000
4.591	4.958	.45630	-.00320	.06770	.06210	-.00140	-.00030	.00200	-2.75880	-12.67400	19.83000
4.591	5.190	.45710	-.00300	.06770	.06190	-.00160	-.00040	.00200	-2.46830	-12.84850	19.84000
4.591	5.507	.45590	-.00310	.06780	.06200	-.00140	-.00050	.00220	-2.09130	-13.10630	19.83000
4.591	5.906	.45570	-.00370	.06780	.06220	-.00130	-.00050	.00240	-1.64370	-13.45520	19.84000
4.591	6.108	.45690	-.00290	.06780	.06210	-.00150	-.00050	.00250	-1.36100	-13.57650	19.83000
4.591	6.513	.45900	-.00390	.06790	.06210	-.00130	-.00040	.00270	-.98050	-13.98600	19.83000
4.591	6.812	.45700	-.00370	.06800	.06210	-.00130	-.00060	.00290	-.73280	-14.35760	19.83000
4.591	7.040	.45550	-.00420	.06810	.06240	-.00080	-.00050	.00310	-.50500	-14.58520	19.84000
4.591	7.279	.45750	-.00370	.06810	.06200	-.00120	-.00050	.00320	-.26160	-14.82030	19.83000

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD201)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	GRITNO =	120.000
RCSPDS =	.000	BETA =	.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 34/ 0		RN/L = 5.53									
ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
-.040	.500	-.06800	.04130	.05850	.03490	-.00410	.00070	.00550	.00000	-.49720	-3.23220
-.060	.511	-.06950	.04070	.05900	.03270	-.00370	.00110	.00540	.00000	-.56780	-3.24740
-.050	.522	-.07060	.04210	.06030	.03370	-.00540	.00110	.00540	.00000	-.54430	-3.23220
-.060	.537	-.07320	.04170	.06040	.03300	-.00440	.00120	.00530	.00000	-.54430	-3.21700
-.050	.554	-.07580	.04290	.06140	.03320	-.00570	.00140	.00530	.00000	-.51290	-3.19430
-.040	.576	-.07520	.04390	.06150	.03400	-.00580	.00110	.00560	.00000	-.47250	-3.17910
-.050	.597	-.07180	.04410	.06170	.03350	-.00560	.00120	.00580	.00000	-.50500	-3.19430
-.050	.617	-.07560	.04520	.06300	.03350	-.00610	.00130	.00570	.00000	-.45010	-3.19430
-.040	.642	-.07340	.04500	.06270	.03310	-.00500	.00130	.00590	.00000	-.42650	-3.21700
-.040	.665	-.07740	.04630	.06430	.03390	-.00610	.00130	.00580	.00000	-.34800	-3.14880
-.040	.689	-.07740	.04630	.06510	.03390	-.00650	.00160	.00580	.00000	-.31660	-3.09570
-.040	.718	-.07860	.04740	.06550	.03420	-.00680	.00160	.00590	.00000	-.30870	-3.07300
-.060	.742	-.07920	.04770	.06660	.03380	-.00530	.00170	.00600	.00000	-.27730	-3.06540
-.040	.771	-.07600	.04830	.06740	.03480	-.00680	.00160	.00590	.00000	-.16730	-3.01990
-.050	.798	-.07380	.04870	.06840	.03510	-.00580	.00170	.00570	.00000	-.19090	-2.92890
-.050	.824	-.07210	.04840	.07020	.03640	-.00600	.00170	.00540	.00000	-.11240	-2.70130
-.040	.842	-.06740	.04790	.07250	.03800	-.00600	.00200	.00510	.00000	-.02600	-2.46620
-.040	.853	-.06550	.04640	.07280	.03890	-.00640	.00190	.00510	.00000	-.04170	-2.35250
-.060	.861	-.06320	.04630	.07380	.03990	-.00640	.00210	.00530	.00000	.01320	-2.31460
-.060	.874	-.06120	.04600	.07560	.04140	-.00710	.00220	.00530	.00000	.03670	-2.27670
-.050	.883	-.06080	.04470	.07820	.04340	-.00830	.00260	.00540	.01000	.17020	-2.23120
-.050	.898	-.05470	.04290	.09070	.04590	-.00820	.00290	.00560	.01000	.15450	-2.18560
-.040	.911	-.04940	.03980	.08530	.04940	-.00920	.00310	.00500	.01000	.20950	-2.14010
-.060	.923	-.04980	.03900	.08960	.05260	-.00820	.00320	.00470	.01000	.19380	-2.10980
-.060	.935	-.05660	.04550	.09680	.05760	-.00520	.00200	.00440	.00000	.22520	-2.12500
-.060	.948	-.06740	.05480	.10310	.06270	-.00460	.00160	.00410	.00000	.23310	-2.02640
-.050	.962	-.07210	.05970	.10870	.06660	-.00370	.00110	.00430	.00000	.24880	-1.98850
-.040	.978	-.07130	.06320	.11480	.07100	-.00290	.00080	.00430	.00000	.18590	-1.99610
-.050	.992	-.06960	.06400	.12140	.07450	-.00300	.00090	.00420	.00000	.16240	-1.95810
-.060	1.005	-.06690	.06330	.12500	.07650	-.00360	.00100	.00410	.00000	.17020	-1.88990
-.040	1.018	-.06300	.06100	.12900	.07780	-.00360	.00100	.00410	.00000	.23310	-1.95060
-.060	1.031	-.06100	.05910	.13040	.07740	-.00350	.00080	.00390	.00000	.19380	-1.91260
-.050	1.037	-.06240	.05940	.13110	.07790	-.00310	.00080	.00380	.00000	.23310	-1.94300
-.050	1.051	-.06060	.06190	.13110	.07940	-.00310	.00050	.00400	.00000	.16240	-1.93540
-.040	1.059	-.05960	.06090	.13320	.08130	-.00420	.00110	.00370	.00000	.28020	-1.87470
-.040	1.068	-.05630	.05420	.13670	.08450	-.00430	.00080	.00340	.00000	.28020	-1.87470
-.050	1.076	-.05280	.05910	.13860	.08610	-.00380	.00080	.00370	.00000	.28800	-1.88990
-.060	1.087	-.05260	.05690	.14060	.08720	-.00410	.00080	.00350	.00000	.23310	-1.90500
-.060	1.098	-.05470	.05720	.14350	.08820	-.00500	.00100	.00330	.00000	.23310	-1.88990
-.050	1.105	-.05560	.05810	.14440	.08760	-.00480	.00110	.00340	.00000	.32730	-1.86710
-.060	1.111	-.05360	.05710	.14550	.08760	-.00600	.00130	.00310	.01000	.28800	-1.85200

LA67 (LTV 552) ORBITER 49-0

(RFD202)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 35/ 0 RN/L = 5.65

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
-.040	.497	.03100	-.01120	.06210	.03630	-.00360	.00110	.00660	.00000	6.85310	3.07740
-.030	.507	.03020	-.01150	.06260	.03680	-.00570	.00100	.00660	.00000	6.92380	3.08500
-.030	.520	.03390	-.01060	.06250	.03630	-.00400	.00100	.00660	.00000	6.87670	3.05470
-.020	.531	.02960	-.01100	.06340	.03590	-.00480	.00110	.00660	.00000	6.89240	3.08500
-.030	.546	.03370	-.01100	.06340	.03440	-.00580	.00100	.00700	.00000	6.91600	3.06220
-.030	.568	.03310	-.01060	.06400	.03570	-.00410	.00100	.00650	.00000	6.86880	3.05470
-.020	.586	.02790	-.01120	.06470	.03560	-.00590	.00110	.00670	.00000	6.97090	3.07740
-.030	.609	.02760	-.01050	.06550	.03580	-.00630	.00110	.00660	.00000	6.88460	3.11530
-.030	.630	.02720	-.01050	.06600	.03580	-.00640	.00100	.00650	.00000	6.90030	3.12290
-.020	.652	.02650	-.01060	.06670	.03540	-.00550	.00120	.00660	.00000	6.93950	3.12290
-.040	.679	.03020	-.00990	.06680	.03540	-.00610	.00100	.00660	.00000	7.01020	3.06220
-.040	.704	.02660	-.00970	.06800	.03580	-.00630	.00110	.00640	.00000	7.03380	3.11530
-.040	.728	.02580	-.00930	.06850	.03500	-.00510	.00110	.00640	.00000	7.00230	3.10770
-.040	.757	.02500	-.00800	.06920	.03540	-.00590	.00110	.00630	.00000	7.03380	3.08500
-.030	.786	.02220	-.00690	.07020	.03640	-.00590	.00110	.00610	.00000	7.00230	3.10020
-.040	.812	.02070	-.00590	.07120	.03680	-.00600	.00110	.00580	.00000	7.08870	3.10020
-.040	.836	.01770	-.00450	.07290	.03830	-.00620	.00110	.00550	.00000	7.11230	3.12290
-.030	.850	.01650	-.00390	.07430	.03950	-.00550	.00100	.00530	.00000	7.08090	3.16840
-.040	.861	.01200	-.00380	.07430	.03970	-.00490	.00130	.00500	.00000	7.08870	3.20630
-.030	.871	.01240	-.00320	.07540	.04080	-.00480	.00110	.00470	.00000	7.05730	3.19120
-.030	.881	.01180	-.00210	.07690	.04180	-.00500	.00100	.00390	.00000	7.12010	3.19120
-.050	.892	.00890	-.00090	.07990	.04430	-.00400	.00060	.00310	.00000	7.07300	3.13810
-.050	.904	.00230	.00020	.08320	.04730	-.00320	.00050	.00270	.00000	7.02590	3.15320
-.050	.915	.00100	.00130	.08760	.05070	-.00130	-.00020	.00240	.00000	7.04950	3.14570
-.050	.928	.00190	.00170	.09480	.05650	-.00070	-.00060	.00250	.00000	7.03380	3.13050
-.050	.942	.00040	.00200	.10240	.06300	-.00030	-.00040	.00390	.00000	7.03380	3.12290
-.050	.955	-.00360	.00590	.10900	.06750	.00020	-.00090	.00490	.00000	7.03380	3.15320
-.040	.969	-.00450	.01060	.11610	.07260	-.00090	-.00090	.00520	.00000	6.97090	3.19120
-.030	.985	-.00630	.01360	.12250	.07700	-.00040	-.00090	.00520	.00000	6.93170	3.17600
-.040	.998	-.00410	.01390	.12790	.07940	-.00070	-.00070	.00510	.00000	6.78250	3.18360
-.030	1.015	-.00040	.01350	.13220	.08130	-.00090	-.00090	.00490	.00000	6.76680	3.19120
-.030	1.025	.00330	.01210	.13420	.08090	-.00090	-.00070	.00500	.00000	6.71180	3.17600
-.050	1.034	.00090	.01170	.13480	.08030	-.00050	-.00070	.00490	.00000	6.71180	3.13050
-.050	1.044	-.00120	.01390	.13500	.08080	-.00050	-.00070	.00480	.00000	6.63330	3.17600
-.040	1.053	-.00160	.01560	.13540	.08220	-.00100	-.00080	.00490	.00000	6.68040	3.13050
-.050	1.060	.00060	.01500	.13690	.08350	-.00150	-.00030	.00460	.00000	6.63330	3.17600
-.040	1.071	.00310	.01480	.13860	.08630	-.00140	-.00050	.00440	.00000	6.61760	3.15320
-.040	1.079	.00350	.01480	.14210	.08840	-.00210	-.00040	.00460	.00000	6.61760	3.16840
-.040	1.088	.00370	.01410	.14440	.08930	-.00270	-.00050	.00430	.00000	6.59400	3.18360

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD202)

PARAMETRIC DATA

ELEVON = 5.000 AILRON = 2.000
 SPOBRK = 25.000 GRITNO = 120.000
 RCSPOS = .000 BETA = .000
 BDFLAP = .000 RUDDER = .000

RUN NO. 36/ 0 RN/L = 5.55

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
5.940	.500	.30890	-.01330	.04580	.02100	-.00590	.00160	.00620	.00000	6.80600	3.21390
5.940	.514	.30790	-.01310	.04570	.02090	-.00800	.00130	.00630	.00000	6.86880	3.19120
5.950	.529	.31200	-.01210	.04570	.02020	-.00700	.00100	.00660	.00000	6.83740	3.16080
5.940	.552	.31450	-.01270	.04650	.02000	-.00760	.00110	.00650	.00000	6.83740	3.20630
5.960	.567	.31740	-.01490	.04750	.01920	-.00640	.00150	.00630	.00000	6.87670	3.19120
5.950	.589	.31940	-.01380	.04750	.01960	-.00710	.00110	.00640	.00000	6.82960	3.15320
5.960	.610	.32070	-.01530	.04880	.02010	-.00720	.00130	.00610	.00000	6.90030	3.20630
5.940	.634	.32490	-.01530	.04870	.01970	-.00670	.00110	.00650	.00000	6.95520	3.14570
5.940	.657	.32940	-.01590	.04960	.01930	-.00650	.00110	.00640	.00000	6.89240	3.15320
5.950	.681	.33070	-.01720	.05070	.01950	-.00700	.00130	.00610	.00000	6.93170	3.16840
5.950	.707	.33300	-.01770	.05180	.01990	-.00710	.00130	.00620	.00000	6.93950	3.19870
5.930	.736	.33960	-.01830	.05270	.02030	-.00670	.00110	.00630	.00000	6.98660	3.20630
5.950	.768	.34530	-.01970	.05490	.02300	-.00740	.00090	.00640	.00000	7.04160	3.15320
5.950	.797	.35380	-.02260	.05830	.02570	-.00770	.00120	.00630	.00000	7.05730	3.16080
5.940	.823	.35960	-.02500	.06250	.02860	-.00750	.00120	.00640	.00000	7.04950	3.21390
5.910	.845	.35450	-.02480	.06570	.03240	-.00700	.00190	.00650	.00000	7.08870	3.21390
5.910	.853	.35170	-.02500	.06680	.03390	-.00830	.00210	.00650	.00000	7.02590	3.19120
5.910	.857	.35230	-.02530	.06780	.03480	-.00720	.00190	.00680	.00000	7.06520	3.20630
5.900	.866	.35160	-.02420	.07060	.03700	-.00980	.00140	.00670	.01000	7.08870	3.19870
5.910	.877	.35020	-.02420	.07270	.03940	-.00940	.00150	.00680	.01000	7.04950	3.22910
5.910	.888	.34990	-.02470	.07470	.04100	-.00950	.00190	.00670	.01000	7.06520	3.25180
5.900	.898	.35010	-.02620	.07790	.04410	-.00980	.00200	.00660	.01000	7.02590	3.21390
5.900	.912	.35530	-.03080	.08360	.04880	-.00790	.00130	.00670	.01000	6.98660	3.23670
5.910	.926	.36400	-.03710	.08930	.05320	-.00550	.00030	.00600	.00000	6.93170	3.21390
5.900	.939	.37060	-.04220	.09620	.05750	-.00350	-.00010	.00500	.00000	6.57040	3.19970
5.920	.954	.37440	-.04410	.10180	.06130	-.00190	-.00030	.00450	.00000	6.35050	3.20630
5.900	.971	.37500	-.04310	.11040	.06680	-.00110	-.00050	.00440	.00000	6.28770	3.18360
5.910	.986	.37390	-.04150	.11720	.07080	-.00180	-.00030	.00440	.00000	6.15420	3.22910
5.900	.997	.37420	-.03970	.12380	.07410	-.00170	-.00030	.00430	.00000	6.09140	3.22910
5.910	1.009	.37550	-.03840	.12880	.07620	-.00230	-.00040	.00420	.00000	6.14640	3.18360
5.890	1.021	.37970	-.04020	.13300	.07810	-.00160	-.00030	.00410	.00000	6.04430	3.19120
5.910	1.036	.38400	-.04330	.13580	.08010	-.00200	-.00030	.00400	.00000	6.05210	3.19970
5.900	1.046	.38960	-.04730	.13820	.08200	-.00150	-.00050	.00390	.00000	6.06780	3.19120
5.870	1.055	.39000	-.05080	.13990	.08380	-.00170	-.00060	.00380	.00000	5.96580	3.16080
5.880	1.064	.39260	-.05340	.14200	.08610	-.00250	-.00050	.00380	.00000	5.93430	3.19120
5.870	1.072	.38960	-.05510	.14380	.08770	-.00280	-.00050	.00350	.00000	5.87150	3.18360
5.880	1.082	.38640	-.05370	.14590	.08940	-.00300	-.00030	.00330	.00000	5.83230	3.21390
5.890	1.092	.38410	-.05450	.14770	.09110	-.00280	-.00060	.00340	.00000	5.79300	3.17600

LA67 (LTV 552) ORBITER 49-0

(RFD202)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	GRITNO =	120.000
RCSPDS =	.000	BETA =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 37/ 0 RN/L = 5.56

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
13.040	.516	.66870	-.01270	.00220	-.02390	-.01010	.00130	.00590	.00000	6.38200	3.22910
13.040	.531	.67310	-.01270	.00260	-.02430	-.01020	.00120	.00570	.00000	6.37410	3.23670
13.040	.545	.67590	-.01420	.00340	-.02460	-.00910	.00140	.00570	.00000	6.38200	3.21390
13.040	.562	.68170	-.01500	.00440	-.02410	-.00980	.00130	.00550	.00000	6.42120	3.22910
13.050	.579	.69710	-.01660	.00670	-.02310	-.01070	.00140	.00550	.00000	6.42120	3.21390
13.050	.599	.69790	-.02050	.00940	-.02050	-.00940	.00200	.00610	.00000	6.31130	3.23670
13.030	.619	.70080	-.02060	.01490	-.01550	-.01250	.00250	.00790	.00000	6.42120	3.25180
13.030	.637	.70900	-.02290	.02030	-.01220	-.01160	.00250	.00870	.00000	6.27200	3.22910
13.020	.660	.70840	-.02340	.02480	-.00800	-.01040	.00200	.00850	.00000	6.24840	3.21390
13.010	.682	.70480	-.02250	.03030	-.00320	-.01070	.00160	.00780	.00000	6.19350	3.22910
13.020	.706	.70420	-.02250	.03610	.00230	-.00950	.00110	.00740	.00000	6.13070	3.19120
13.020	.730	.70290	-.02230	.04160	.00670	-.00940	.00130	.00690	.00000	6.09920	3.21390
13.010	.755	.69820	-.02160	.04750	.01170	-.00910	.00100	.00620	.00000	5.95000	3.18360
12.990	.782	.69390	-.02340	.05330	.01680	-.00760	.00110	.00560	.00000	5.91860	3.19120
13.000	.806	.69800	-.02570	.06020	.02290	-.00750	.00070	.00560	.00000	5.88720	3.13050
12.980	.824	.69530	-.02900	.06400	.02650	-.00680	.00060	.00590	.00000	5.87150	3.15320
12.980	.831	.69460	-.02950	.06420	.02730	-.00640	.00060	.00620	.00000	5.84800	3.15320
12.960	.836	.69400	-.03010	.06630	.02880	-.00730	.00070	.00610	.00000	5.76940	3.14570
12.950	.845	.69150	-.03190	.06760	.02990	-.00630	.00070	.00650	.00000	5.79300	3.17600
12.950	.852	.69240	-.03340	.06960	.03170	-.00590	.00070	.00650	.00000	5.84800	3.12290
12.950	.862	.69120	-.03460	.07140	.03360	-.00560	.00060	.00640	.00000	5.76940	3.13050
12.960	.873	.69320	-.03640	.07410	.03650	-.00600	.00030	.00600	.00000	5.75370	3.15320
12.970	.884	.69190	-.03900	.07610	.03850	-.00360	-.00030	.00570	.00000	5.76940	3.10770
12.970	.893	.69610	-.04140	.07930	.04090	-.00230	-.00080	.00540	.00000	5.72230	3.12290
12.970	.903	.70260	-.04410	.08320	.04400	-.00090	-.00120	.00500	.00000	5.68300	3.11530
12.980	.914	.70290	-.04680	.08690	.04750	-.00000	-.00150	.00480	.00000	5.67520	3.04710
12.970	.925	.71250	-.05180	.09070	.05040	-.00040	-.00170	.00460	.00000	5.58880	3.00160
12.960	.936	.72020	-.05360	.09440	.05320	-.00140	-.00330	.00510	.00000	5.56530	2.94090
12.970	.950	.73410	-.06270	.09770	.05530	-.00330	-.00400	.00540	.00000	5.36890	2.79680
12.960	.960	.75120	-.06950	.10190	.05730	-.00510	-.00390	.00540	.00000	5.32970	2.72100
12.960	.970	.76150	-.07280	.10590	.05880	-.00500	-.00300	.00510	.00000	5.30610	2.72860
12.960	.983	.76480	-.07270	.11150	.06130	-.00220	-.00030	.00420	.00000	5.35320	2.72960
12.960	.994	.76490	-.07050	.11570	.06270	-.00310	.00000	.00380	.00000	5.39250	2.68300
12.960	1.003	.76810	-.07060	.12010	.06500	-.00330	.00000	.00380	.00000	5.36890	2.72100
12.950	1.010	.76710	-.06910	.12280	.06590	-.00380	.00020	.00360	.00000	5.40030	2.66030
12.950	1.018	.76860	-.06840	.12600	.06770	-.00410	.00040	.00360	.00000	5.41600	2.63000
12.960	1.026	.77080	-.06860	.12990	.06970	-.00400	.00050	.00370	.00000	5.32180	2.60720
12.950	1.036	.77290	-.07060	.13300	.07130	-.00410	.00040	.00350	.00000	5.28250	2.63750
12.940	1.045	.77420	-.07270	.13440	.07230	-.00370	.00040	.00340	.00000	5.34540	2.59960
12.920	1.055	.77550	-.07520	.13650	.07340	-.00400	.00020	.00300	.00000	5.24330	2.52380
12.930	1.063	.77190	-.07720	.13760	.07430	-.00350	.00000	.00320	.00000	5.26880	2.50860
12.940	1.073	.77170	-.07970	.13850	.07450	-.00300	-.00010	.00300	.00000	5.14900	2.54650
12.940	1.081	.76920	-.08020	.13910	.07460	-.00320	-.00020	.00260	.00000	5.16470	2.49350

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD202)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 37/ 0 RN/L = 5.56

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
12.940	1.089	.76880	-.08110	.13950	.07490	-.00300	-.00010	.00270	.00000	5.14120	2.54650
12.930	1.095	.76950	-.08060	.13990	.07510	-.00310	-.00020	.00270	.00000	5.06270	2.50860

LA67 (LTV 552) ORBITER 49-0

(RFD203)

PARAMETRIC DATA

ELEVON =	5.000	ATLRON =	2.000
SPDRK =	25.000	GRITNO =	120.000
RCSP0S =	.000	BETA =	-2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 38/ 0 RN/L = 5.48

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
-.050	.509	.03560	-.01010	.06150	.03620	.02980	-.00190	.00680	-2.02000	6.24060	3.25180
-.040	.523	.03370	-.01170	.06260	.03670	.02880	-.00200	.00660	-2.02000	6.22490	3.30490
-.040	.540	.03420	-.01080	.06260	.03590	.03040	-.00200	.00720	-2.02000	6.23270	3.30490
-.040	.554	.03120	-.00980	.06360	.03540	.03050	-.00200	.00670	-2.02000	6.22490	3.28980
-.050	.572	.03120	-.01170	.06370	.03500	.03100	-.00210	.00720	-2.02000	6.23270	3.25180
-.040	.593	.02890	-.01000	.06420	.03590	.03090	-.00220	.00720	-2.02000	6.23270	3.27460
-.050	.612	.02920	-.01040	.06430	.03520	.03010	-.00200	.00720	-2.02000	6.22490	3.22910
-.040	.629	.03100	-.00990	.06370	.03560	.03050	-.00220	.00720	-2.03000	6.24840	3.28980
-.040	.651	.02820	-.01100	.06610	.03590	.03150	-.00230	.00730	-2.03000	6.23270	3.28980
-.050	.672	.02830	-.01050	.06620	.03490	.03100	-.00260	.00730	-2.03000	6.29560	3.27460
-.040	.696	.02750	-.00990	.06650	.03530	.03210	-.00260	.00750	-2.03000	6.31910	3.32010
-.050	.720	.02690	-.00980	.06730	.03560	.03190	-.00260	.00740	-2.03000	6.33480	3.28980
-.050	.742	.02420	-.00880	.06810	.03470	.03210	-.00280	.00730	-2.04000	6.37410	3.33530
-.060	.766	.02400	-.00830	.06880	.03520	.03260	-.00300	.00720	-2.04000	6.39770	3.33530
-.060	.791	.02070	-.00720	.06970	.03600	.03310	-.00280	.00730	-2.04000	6.38200	3.34280
-.050	.815	.01820	-.00680	.07090	.03720	.03390	-.00300	.00720	-2.04000	6.40550	3.37320
-.050	.833	.01670	-.00560	.07130	.03770	.03360	-.00300	.00690	-2.04000	6.39770	3.32010
-.040	.840	.01630	-.00560	.07180	.03820	.03450	-.00300	.00690	-2.05000	6.39770	3.33530
-.060	.845	.01680	-.00510	.07180	.03780	.03420	-.00310	.00680	-2.05000	6.44480	3.37800
-.050	.853	.01530	-.00440	.07300	.03890	.03440	-.00340	.00660	-2.05000	6.42120	3.37320
-.050	.865	.01410	-.00380	.07340	.03950	.03490	-.00340	.00650	-2.05000	6.39770	3.38080
-.050	.873	.01310	-.00490	.07530	.04090	.03620	-.00380	.00640	-2.05000	6.42120	3.35040
-.050	.883	.01240	-.00410	.07680	.04230	.03720	-.00400	.00630	-2.05000	6.44480	3.35040
-.060	.894	.00690	-.00350	.07900	.04440	.03720	-.00440	.00580	-2.05000	6.39770	3.37320
-.060	.903	.00570	-.00150	.08200	.04610	.03820	-.00480	.00580	-2.06000	6.39770	3.35040
-.060	.916	.00160	.00000	.08670	.05020	.03800	-.00480	.00550	-2.06000	6.51550	3.31250
-.060	.924	.00020	.00110	.09160	.05410	.03720	-.00440	.00540	-2.06000	6.47620	3.27460
-.050	.935	-.00050	.00210	.09840	.05960	.03700	-.00470	.00630	-2.06000	6.46830	3.27460
-.060	.950	-.00420	.00510	.10470	.06520	.03640	-.00470	.00770	-2.05000	6.41340	3.33530
-.060	.963	-.00750	.01050	.11260	.07050	.03520	-.00420	.00820	-2.05000	6.39770	3.32770
-.050	.978	-.00830	.01340	.11780	.07440	.03490	-.00390	.00860	-2.05000	6.36620	3.32770
-.050	.991	-.00660	.01530	.12370	.07810	.03420	-.00360	.00840	-2.05000	6.41340	3.29730
-.050	1.003	-.00350	.01560	.12770	.08010	.03380	-.00340	.00850	-2.05000	6.36620	3.33530
-.040	1.012	-.00110	.01380	.13160	.08960	.03330	-.00340	.00830	-2.05000	6.27990	3.35800
-.060	1.025	.00180	.01230	.13360	.08020	.03320	-.00330	.00830	-2.05000	6.31130	3.35800
-.060	1.037	-.00150	.01270	.13410	.07990	.03310	-.00280	.00850	-2.06000	6.20130	3.37320
-.040	1.047	-.00190	.01590	.13430	.08060	.03320	-.00300	.00860	-2.06000	6.18560	3.38830
-.060	1.059	-.00160	.01610	.13530	.08250	.03250	-.00270	.00850	-2.06000	6.22490	3.41110
-.040	1.068	.00200	.01620	.13850	.08500	.03250	-.00290	.00780	-2.06000	6.19350	3.38080
-.050	1.078	.00110	.01560	.14160	.08750	.03190	-.00310	.00780	-2.05000	6.14640	3.43380
-.050	1.087	.00230	.01480	.14290	.08830	.03170	-.00290	.00760	-2.05000	6.09920	3.39590
-.060	1.097	.00160	.01400	.14550	.08900	.03120	-.00290	.00750	-2.05000	6.05210	3.40350

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(RFD204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	GRITNO =	120.000
RCSP05 =	.000	BETA =	-2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 39/ 0 RN/L = 5.53

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
-.040	.501	.03180	-.01330	.06190	.03520	.02840	-.00190	.00800	-2.02000	6.77460	3.15320
-.050	.509	.03550	-.01330	.06170	.03330	.03170	-.00190	.00840	-2.02000	6.79030	3.12290
-.050	.523	.03490	-.01320	.06170	.03400	.03080	-.00190	.00850	-2.02000	6.72750	3.10020
-.050	.538	.03110	-.01250	.06240	.03450	.02920	-.00210	.00830	-2.02000	6.72750	3.15320
-.050	.558	.03410	-.01260	.06310	.03420	.02930	-.00210	.00650	-2.02000	6.69610	3.11530
-.040	.575	.03460	-.01290	.06420	.03450	.03120	-.00210	.00840	-2.02000	6.73530	3.11530
-.040	.591	.03080	-.01250	.06440	.03330	.03100	-.00220	.00860	-2.02000	6.81390	3.12290
-.040	.614	.02930	-.01270	.06480	.03470	.02910	-.00220	.00840	-2.02000	6.79030	3.12290
-.050	.639	.02990	-.01240	.06520	.03400	.03020	-.00220	.00850	-2.03000	6.85310	3.15320
-.050	.661	.03040	-.01210	.06570	.03370	.03060	-.00240	.00870	-2.03000	6.86880	3.16840
-.040	.683	.03250	-.01150	.06670	.03450	.03190	-.00230	.00860	-2.03000	6.87670	3.11530
-.040	.704	.02900	-.01090	.06730	.03390	.03290	-.00240	.00860	-2.03000	6.90030	3.16840
-.050	.729	.02730	-.01030	.06810	.03440	.03300	-.00260	.00850	-2.04000	6.98660	3.15320
-.050	.754	.02610	-.01000	.06870	.03470	.03300	-.00270	.00840	-2.04000	7.01020	3.17600
-.050	.778	.02420	-.00930	.06930	.03480	.03230	-.00270	.00850	-2.04000	7.03380	3.12290
-.050	.800	.02170	-.00860	.07020	.03550	.03260	-.00290	.00830	-2.04000	7.01020	3.15320
-.040	.819	.02240	-.00770	.07110	.03570	.03330	-.00300	.00830	-2.04000	7.02590	3.17600
-.050	.834	.01760	-.00710	.07190	.03650	.03310	-.00310	.00810	-2.04000	7.07300	3.13810
-.040	.841	.01650	-.00700	.07220	.03700	.03360	-.00320	.00790	-2.05000	7.08870	3.17600
-.050	.850	.01680	-.00620	.07260	.03790	.03510	-.00320	.00770	-2.05000	7.09660	3.20630
-.050	.858	.01610	-.00560	.07340	.03840	.03500	-.00330	.00780	-2.05000	7.05730	3.22910
-.050	.870	.01340	-.00530	.07500	.03990	.03580	-.00370	.00730	-2.05000	7.09660	3.22910
-.040	.880	.01340	-.00540	.07680	.04130	.03730	-.00400	.00710	-2.05000	7.17510	3.19120
-.060	.891	.00970	-.00450	.07850	.04280	.03750	-.00440	.00690	-2.05000	7.15940	3.18360
-.050	.902	.00570	-.00250	.08180	.04530	.03850	-.00490	.00660	-2.06000	7.26150	3.19120
-.050	.914	.00390	-.00040	.08680	.04920	.03840	-.00480	.00640	-2.06000	7.32430	3.15320
-.050	.927	-.00020	.00010	.09450	.05590	.03750	-.00440	.00650	-2.06000	7.37930	3.09260
-.050	.938	-.00010	.00100	.10110	.06110	.03780	-.00490	.00800	-2.06000	7.34790	3.10020
-.040	.950	-.00270	.00460	.10720	.06590	.03610	-.00460	.00890	-2.05000	7.34790	3.13050
-.050	.963	-.00400	.00890	.11230	.06950	.03540	-.00440	.00950	-2.05000	7.28510	3.12290
-.040	.972	-.00510	.01140	.11780	.07350	.03510	-.00420	.00960	-2.05000	7.20650	3.13050
-.050	.987	-.00540	.01270	.12320	.07690	.03510	-.00410	.00980	-2.06000	7.20650	3.15320
-.030	.997	-.00310	.01320	.12790	.07930	.03400	-.00390	.00980	-2.05000	7.14370	3.15320
-.040	1.008	.00100	.01170	.13140	.07970	.03470	-.00370	.00980	-2.06000	7.12800	3.20630
-.040	1.023	.00510	.01010	.13410	.08020	.03310	-.00340	.00970	-2.05000	7.07300	3.18360
-.060	1.033	.00310	.00930	.13410	.07900	.03390	-.00320	.00970	-2.06000	7.08090	3.21390
-.040	1.042	-.00130	.01260	.13460	.07990	.03350	-.00320	.00990	-2.06000	7.03380	3.20630
-.040	1.049	.00010	.01330	.13490	.08060	.03340	-.00310	.01000	-2.06000	7.05730	3.22910
-.040	1.060	.00020	.01460	.13640	.08260	.03210	-.00290	.00950	-2.05000	6.93950	3.20630
-.050	1.068	.00290	.01410	.13980	.08530	.03240	-.00310	.00900	-2.06000	6.97090	3.22150
-.060	1.076	.00270	.01320	.14210	.08670	.03300	-.00320	.00920	-2.06000	6.92360	3.26700
-.060	1.084	.00270	.01270	.14310	.08750	.03260	-.00310	.00900	-2.06000	6.90030	3.21390
-.040	1.090	.00460	.01180	.14440	.08830	.03210	-.00320	.00880	-2.06000	6.89240	3.26700

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 216

LA67 (LTV 552) ORBITER 49-0

(RF0204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	-2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 40/ 3 RN/L = 5.55

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
5.870	.509	.30480	-.01670	.04670	.02090	.02990	-.00210	.00980	-2.02000	7.18300	3.11530
5.880	.520	.30910	-.01660	.04710	.02000	.02930	-.00210	.00990	-2.02000	7.17510	3.10020
5.870	.535	.30740	-.01890	.04720	.02000	.02790	-.00190	.00990	-2.02000	7.13580	3.13050
5.880	.550	.30880	-.01880	.04790	.02050	.02870	-.00210	.00980	-2.02000	7.15150	3.10020
5.890	.565	.31390	-.01910	.04850	.02010	.02960	-.00210	.00990	-2.03000	7.20650	3.13050
5.880	.583	.31560	-.01830	.04830	.01940	.02780	-.00230	.01010	-2.03000	7.17510	3.12290
5.900	.600	.32030	-.01850	.04890	.01900	.03050	-.00240	.01020	-2.03000	7.23790	3.10020
5.890	.618	.32200	-.01880	.04930	.01840	.02990	-.00240	.01040	-2.03000	7.17510	3.10020
5.880	.641	.32070	-.01960	.05020	.01980	.02960	-.00230	.01010	-2.03000	7.25360	3.10770
5.890	.660	.32650	-.01990	.05020	.01880	.03020	-.00260	.01040	-2.03000	7.21440	3.12290
5.890	.682	.32970	-.02110	.05130	.01940	.03050	-.00250	.01040	-2.03000	7.23790	3.15320
5.880	.707	.33360	-.02040	.05160	.01940	.03080	-.00280	.01080	-2.04000	7.30860	3.10020
5.890	.729	.33630	-.02170	.05320	.02040	.03010	-.00280	.01050	-2.04000	7.26930	3.13050
5.870	.753	.34100	-.02330	.05420	.02070	.03140	-.00310	.01090	-2.04000	7.34790	3.16840
5.880	.781	.34620	-.02510	.05610	.02290	.03160	-.00340	.01130	-2.04000	7.33220	3.18360
5.860	.802	.35350	-.02690	.05900	.02510	.03210	-.00310	.01080	-2.04000	7.37140	3.14570
5.870	.822	.35730	-.02910	.06200	.02790	.03210	-.00290	.01040	-2.04000	7.33220	3.18360
5.850	.833	.35710	-.02960	.06340	.02940	.03250	-.00300	.01030	-2.05000	7.30860	3.19120
5.850	.838	.35540	-.03020	.06360	.03040	.03290	-.00310	.01040	-2.05000	7.34790	3.20630
5.850	.844	.35540	-.03000	.06470	.03120	.03310	-.00290	.01030	-2.05000	7.32430	3.18360
5.850	.853	.35270	-.02920	.06650	.03290	.03290	-.00300	.01040	-2.05000	7.36360	3.17600
5.840	.864	.35100	-.02760	.06900	.03530	.03200	-.00290	.01050	-2.05000	7.35570	3.23670
5.840	.874	.34970	-.02840	.07160	.03800	.03290	-.00320	.01060	-2.05000	7.34790	3.21390
5.860	.883	.34900	-.02800	.07330	.03970	.03320	-.00320	.01070	-2.05000	7.35570	3.22910
5.860	.892	.34740	-.02990	.07530	.04160	.03310	-.00340	.01080	-2.05000	7.33220	3.22910
5.850	.902	.35020	-.03000	.07880	.04480	.03390	-.00350	.01110	-2.05000	7.34790	3.25180
5.860	.912	.35510	-.03390	.08210	.04720	.03470	-.00380	.01070	-2.05000	7.37140	3.22910
5.840	.923	.35240	-.03910	.08740	.05130	.03500	-.00420	.01030	-2.05000	7.40260	3.20630
5.840	.934	.36540	-.04320	.09310	.05480	.03430	-.00410	.01020	-2.05000	7.24580	3.13050
5.860	.947	.37150	-.04730	.09900	.05960	.03510	-.00460	.01030	-2.05000	7.02590	3.13050
5.850	.956	.37370	-.04800	.10530	.06300	.03340	-.00450	.01050	-2.05000	6.95520	3.10020
5.860	.969	.37450	-.04780	.11110	.06730	.03250	-.00380	.01050	-2.05000	6.91600	3.03190
5.850	.981	.37380	-.04530	.11760	.07070	.03120	-.00330	.01030	-2.05000	6.79820	3.03950
5.860	.992	.37470	-.04360	.12250	.07340	.03120	-.00280	.01050	-2.05000	6.74320	3.05470
5.850	1.002	.37580	-.04230	.12730	.07550	.03100	-.00280	.01050	-2.05000	6.71180	3.03950
5.850	1.011	.37460	-.04160	.13050	.07700	.03050	-.00250	.01040	-2.05000	6.79030	3.03950
5.870	1.022	.37740	-.04230	.13310	.07830	.03070	-.00260	.01010	-2.05000	6.70390	3.06220
5.850	1.032	.38250	-.04540	.13550	.08010	.03050	-.00250	.01010	-2.05000	6.74320	3.01670
5.850	1.038	.38570	-.04710	.13660	.08080	.03010	-.00250	.01000	-2.05000	6.76670	3.05470
5.860	1.046	.38780	-.05030	.13860	.08250	.03040	-.00240	.00990	-2.05000	6.68040	3.00920
5.850	1.055	.38950	-.05280	.14000	.08450	.02960	-.00230	.00960	-2.03000	6.69610	3.03190
5.850	1.062	.39070	-.05560	.14130	.08590	.02950	-.00230	.00940	-2.05000	6.65680	3.01670
5.840	1.070	.38750	-.05620	.14290	.08740	.02960	-.00230	.00920	-2.05000	6.63330	2.99400

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 217

LA67 (LTV 552) ORBITER 49-0

(RFD204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	-2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 40/ 0 RN/L = 5.55

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
5.840	1.077	.38290	-.05460	.14470	.08910	.02890	-.00220	.00890	-2.05000	6.64110	2.98640
5.860	1.083	.38330	-.05540	.14570	.08980	.02880	-.00240	.00890	-2.05000	6.63330	2.96360
5.840	1.090	.38340	-.05570	.14640	.09030	.02890	-.00230	.00890	-2.05000	6.63330	2.93330

LA67 (LTV 552) ORBITER 49-0

(RFD204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	-2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 41/ 0 RN/L = 5.41

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
12.980	.500	.66460	-.01700	.00250	-.02230	.02370	-.00180	.01200	-2.02000	6.98660	3.03190
12.980	.508	.66680	-.01750	.00180	-.02310	.02510	-.00140	.01190	-2.03000	6.97090	3.10020
12.990	.517	.66930	-.01800	.00250	-.02400	.02350	-.00140	.01190	-2.03000	6.93170	3.09260
12.990	.531	.67050	-.01950	.00300	-.02360	.02540	-.00130	.01230	-2.03000	6.93170	3.04710
13.010	.545	.67480	-.01930	.00440	-.02250	.02310	-.00150	.01220	-2.05000	7.00230	3.08500
13.010	.563	.67910	-.02030	.00470	-.02220	.02420	-.00150	.01220	-2.03000	6.97680	3.01670
13.010	.579	.68370	-.02140	.00650	-.02110	.02350	-.00130	.01220	-2.03000	6.93170	3.05470
12.990	.595	.68690	-.02480	.00960	-.01990	.02320	-.00090	.01240	-2.03000	6.96310	3.03950
13.010	.617	.70000	-.02490	.01420	-.01500	.02310	-.00360	.01360	-2.05000	6.95310	2.98640
13.020	.638	.70070	-.02520	.01680	-.01140	.02390	-.00070	.01400	-2.03000	6.84530	2.97890
12.990	.658	.69920	-.02570	.02350	-.00730	.02520	-.00110	.01370	-2.03000	6.80500	2.99400
12.990	.681	.70530	-.02590	.02920	-.00220	.02470	-.00170	.01290	-2.03000	6.76250	2.97690
12.980	.700	.70260	-.02690	.03450	.00110	.02510	-.00170	.01240	-2.03000	6.71960	3.09160
12.950	.725	.69930	-.02720	.03910	.00520	.02650	-.00170	.01220	-2.04000	6.68820	2.96360
12.970	.750	.69950	-.02670	.04490	.01030	.02920	-.00210	.01200	-2.04000	6.69510	2.94090
12.950	.774	.69710	-.02820	.05100	.01530	.02950	-.00210	.01160	-2.04000	6.67250	2.97120
12.940	.798	.69590	-.02990	.05630	.02050	.03050	-.00220	.01150	-2.04000	6.67250	2.88020
12.960	.819	.69310	-.03190	.06140	.02530	.03040	-.00220	.01170	-2.05000	6.63330	2.86510
12.950	.829	.69200	-.03370	.06330	.02680	.03120	-.00210	.01210	-2.05000	6.71180	2.83470
12.930	.835	.69000	-.03430	.06460	.02820	.03100	-.00210	.01230	-2.05000	6.58610	2.87260
12.930	.844	.68650	-.03470	.06700	.03030	.03070	-.00220	.01260	-2.05000	6.61750	2.81200
12.930	.853	.68900	-.03540	.06930	.03230	.03090	-.00220	.01250	-2.05000	6.53900	2.85750
12.920	.863	.68850	-.03760	.07060	.03340	.03230	-.00220	.01270	-2.05000	6.53900	2.81200
12.920	.871	.68950	-.03960	.07240	.03490	.03350	-.00240	.01240	-2.05000	6.52330	2.80440
12.930	.880	.69290	-.04230	.07490	.03720	.03370	-.00260	.01230	-2.05000	6.53120	2.82710
12.930	.892	.69310	-.04430	.07770	.03980	.03560	-.00290	.01220	-2.06000	6.53900	2.75130
12.940	.902	.69570	-.04650	.08120	.04290	.03510	-.00320	.01190	-2.06000	6.49980	2.66030
12.930	.912	.69870	-.04900	.08420	.04500	.03610	-.00340	.01170	-2.06000	6.44480	2.58450
12.920	.921	.70410	-.05260	.08860	.04820	.03610	-.00310	.01140	-2.06000	6.38200	2.54650
12.940	.933	.71320	-.05410	.09260	.05230	.03130	-.00420	.01200	-2.05000	6.22490	2.49350
12.940	.944	.72390	-.05920	.09990	.05390	.03020	-.00510	.01240	-2.05000	6.06000	2.43280
12.920	.954	.73770	-.06350	.09770	.05580	.02930	-.00570	.01260	-2.05000	5.94220	2.36450
12.920	.964	.75370	-.07250	.10190	.05800	.03000	-.00610	.01240	-2.05000	5.87150	2.32660
12.920	.976	.75900	-.07510	.10700	.06110	.02930	-.00550	.01210	-2.05000	5.80080	2.34940
12.930	.990	.76450	-.07460	.11360	.06370	.03170	-.00320	.01130	-2.05000	5.75370	2.31140
12.910	1.000	.76540	-.07380	.11650	.06450	.03130	-.00300	.01130	-2.05000	5.75370	2.36450
12.920	1.010	.76870	-.07400	.12120	.06690	.03090	-.00270	.01110	-2.05000	5.69870	2.29630
12.900	1.021	.76900	-.07310	.12550	.06980	.02990	-.00270	.01110	-2.05000	5.68300	2.28870
12.910	1.032	.77160	-.07230	.12990	.07060	.03020	-.00250	.01100	-2.05000	5.67520	2.33420
12.890	1.040	.77680	-.07440	.13180	.07160	.03060	-.00250	.01090	-2.05000	5.62610	2.29630
12.900	1.050	.77840	-.07600	.13410	.07280	.03150	-.00290	.01030	-2.05000	5.63590	2.31140
12.890	1.062	.77500	-.07900	.13540	.07440	.03030	-.00260	.01020	-2.05000	5.52600	2.24320
12.900	1.073	.77300	-.08150	.13720	.07550	.03030	-.00270	.00990	-2.05000	5.48670	2.25080

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 219

LA67 (LTV 552) ORBITER 49-0

(RFD204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	-2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 41/ 0 RN/L = 5.41

ALPHA	MACH	CN	CLM	CA	CAB	CY	CYN	CBL	BETA	ELVN-L	ELVN-R
12.880	1.082	.77000	-.08280	.13850	.07590	.03110	-.00290	.00930	-2.06000	5.53380	2.24320
12.900	1.092	.76820	-.08240	.13910	.07670	.03240	-.00330	.00880	-2.06000	5.51030	2.24320

LA67 (LTV 552) ORBITER 49-0

(SFD001)

PARAMETRIC DATA

ELEVON	• .000	AILRON	• .000
SPDRK	• 25.000	RN/L	• 5.000
GRITNO	• 120.000	RCSPDS	• .000
BETA	• .000	ALFSWP	• 1.000
BOFLAP	• .000	RUDDER	• .000

RUN NO. 2/ 0 RN/L = 5.34											
MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.597	-3.740	-.20590	.06980	.02860	-2.94930	-.18860	-.16710	.23600	-.06570	.17020	.30170
.596	-2.850	-.16810	.06690	.02730	-2.51110	-.18900	-.16510	.19790	-.03550	.16240	.23350
.596	-2.040	-.12960	.06520	.02740	-1.98850	-.19210	-.16610	.23250	-.04650	.18590	.27900
.595	-1.290	-.09670	.06400	.02690	-1.51120	-.19150	-.16450	.23680	-.01940	.21730	.25620
.598	-.510	-.06170	.06260	.02740	-.98660	-.19270	-.16440	.23250	-.04650	.18590	.27900
.598	.230	-.02830	.06200	.02750	-.45770	-.18820	-.16000	.25620	-.01520	.24090	.27140
.599	1.000	.00680	.06200	.02830	.11040	-.19140	-.16090	.24840	-.01530	.23310	.26380
.601	1.780	.04080	.06200	.02560	.65890	-.19130	-.15830	.19830	-.01230	.18590	.21070
.601	2.530	.07770	.06290	.02540	1.23600	-.19120	-.15710	.20620	-.00450	.20160	.21070
.601	3.300	.11800	.06450	.02550	1.82950	-.18900	-.15360	.25250	-.00370	.24880	.25620
.603	4.080	.15090	.06560	.02520	2.29630	-.19140	-.15460	.21320	-.04290	.17020	.25620
.602	4.840	.18810	.06750	.02320	2.78400	-.18530	-.14830	.21430	.01870	.23310	.19560
.601	5.600	.22500	.07020	.02190	3.20630	-.18430	-.14730	.22610	.03050	.25660	.19560
.600	6.370	.26410	.07360	.02190	3.58880	-.18450	-.14340	.21340	-.03520	.17810	.24360
.601	7.140	.29550	.07660	.02010	3.85390	-.18780	-.14700	.19490	.01450	.20950	.18040
.600	7.900	.33700	.08180	.01840	4.11530	-.18790	-.14780	.23380	.03060	.26450	.20310
.597	8.660	.37650	.08770	.01940	4.29380	-.18800	-.14610	.23370	.02290	.25660	.21070
.597	9.430	.41470	.09400	.01980	4.41170	-.18430	-.14200	.23730	.01140	.24880	.22590
.597	10.200	.45310	.10100	.01960	4.48320	-.18610	-.14240	.21080	.03790	.24880	.17280
.598	10.970	.48490	.10870	.01980	4.45860	-.19130	-.14470	.21500	.05730	.27230	.15760
.597	11.730	.52630	.11900	.02120	4.42230	-.19550	-.14750	.19930	.04160	.24090	.15760
.597	12.500	.57410	.13230	.01990	4.33650	-.19420	-.14830	.23020	.04210	.27230	.18800
.598	13.250	.60990	.14920	.01790	4.08760	-.19880	-.15280	.19940	.04930	.24880	.15010
.597	14.020	.64710	.16890	.01650	3.83030	-.20350	-.15840	.17650	.06430	.24090	.11210
.598	14.780	.68100	.18800	.01460	3.62120	-.20310	-.15660	.14610	.08700	.23310	.05910
.598	15.520	.71720	.20970	.01270	3.42010	-.21140	-.16520	.09690	.14400	.24090	-.04700
.596	16.260	.75990	.23480	.00980	3.23550	-.21680	-.17330	.06160	.10860	.17020	-.04700
.597	17.020	.78920	.25690	.00760	3.07160	-.22070	-.17740	.02730	.13500	.16240	-.10770
.596	17.750	.81940	.28060	.00680	2.91960	-.23190	-.19120	.04040	.22400	.26450	-.18350
.600	18.500	.85610	.30520	.00290	2.80500	-.23070	-.19550	.04080	.24720	.28800	-.20630
.596	19.210	.90180	.33240	-.00180	2.71280	-.23610	-.20160	-.01730	.22690	.20950	-.24420
.595	19.920	.94550	.35990	-.00730	2.62700	-.24730	-.21670	-.00110	.27340	.27230	-.27450
.597	20.560	.97800	.38310	-.00910	2.55290	-.24640	-.21990	-.03260	.23430	.20160	-.26690

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 221

LA67 (LTV 552) ORBITER 49-0

(SF0001)

PARAMETRIC DATA

ELEVON *	.000	A1LRON *	.000
SPOBRK *	25.000	RN/L *	5.000
GRITNO *	120.000	RCSP05 *	.000
BETA *	.000	ALFSWP *	1.000
BOFLAP *	.000	RUDDER *	.000

RUN NO.		8/ 0	RN/L = 5.27								
MACH	ALPHA	CL	CD	CLM	L/D	CPC	CP8	ELEVON	A1LRON	ELVN-L	ELVN-R
.795	-3.810	-.23920	.07780	.03970	-3.07400	-.22150	-.19630	.25550	-.05380	.20160	.30930
.797	-2.910	-.19320	.07350	.03840	-2.62880	-.21880	-.19380	.24460	-.01150	.23310	.25620
.800	-2.090	-.15180	.07110	.03670	-2.13420	-.22090	-.19540	.26320	-.05360	.20950	.31690
.803	-1.300	-.11100	.06970	.03540	-1.61490	-.21990	-.19250	.24760	-.06160	.18590	.30930
.801	-.540	-.07320	.06750	.03430	-1.02560	-.21910	-.19120	.25600	-.02290	.23310	.27900
.801	.230	-.03430	.06680	.03290	-.51390	-.21760	-.18890	.22500	-.03120	.19380	.25620
.801	1.020	.00610	.06640	.03160	.09240	-.21610	-.18860	.25220	-.01910	.23310	.27140
.800	1.750	.04460	.06730	.03040	.66200	-.21680	-.18950	.26320	-.05360	.20950	.31690
.800	2.570	.08680	.06800	.02870	1.27630	-.21780	-.18810	.24480	-.00380	.24090	.24860
.799	3.330	.12600	.06980	.02690	1.80380	-.21460	-.18290	.26370	-.02280	.24090	.28660
.800	4.130	.16790	.07200	.02590	2.33050	-.21670	-.18390	.27110	-.04580	.22520	.31690
.800	4.900	.21160	.07600	.02400	2.78380	-.21660	-.18300	.24860	-.00760	.24090	.25620
.800	5.680	.25440	.08110	.02180	3.13400	-.21630	-.18100	.23640	-.04250	.19380	.27900
.801	6.470	.29800	.08740	.01950	3.40890	-.21710	-.18010	.22120	-.02740	.19380	.24360
.799	7.240	.33780	.09510	.01790	3.55130	-.21790	-.18200	.23330	-.00020	.23310	.23350
.798	8.010	.37220	.10400	.01640	3.57870	-.21740	-.17960	.29510	.00850	.30370	.28660
.801	8.780	.40980	.11460	.01730	3.57430	-.21840	-.18280	.30760	.05890	.36660	.24860
.801	9.570	.44150	.12470	.01760	3.53890	-.22060	-.17960	.31880	.03980	.35870	.27900
.797	10.330	.47640	.13610	.01710	3.49930	-.22390	-.18380	.29560	.03170	.32730	.26380
.798	11.120	.50990	.15010	.01840	3.39650	-.22940	-.18600	.28420	.04310	.32730	.24110
.798	11.890	.54560	.16570	.01880	3.29300	-.23380	-.19030	.25380	.07340	.32730	.18040
.795	12.640	.58240	.18200	.01690	3.19940	-.24000	-.19380	.24230	.07710	.31940	.16520
.796	13.410	.61880	.20070	.01340	3.08210	-.24590	-.20090	.25010	.07720	.32730	.17280
.796	14.180	.65790	.22200	.00710	2.96330	-.25180	-.20940	.25790	.08500	.34300	.17280
.796	14.950	.70610	.24710	-.00070	2.85750	-.26260	-.21840	.19160	.04140	.23310	.15010
.796	15.700	.74490	.26930	-.00630	2.76560	-.26710	-.22820	.16470	.05260	.21730	.11210
.794	16.470	.78460	.29220	-.00800	2.68450	-.27370	-.23670	.05150	-.02260	.02890	.07420
.790	17.210	.81770	.31390	-.00790	2.60500	-.28380	-.24600	.01230	-.06190	-.04950	.07420
.792	17.980	.84760	.33680	-.00730	2.51650	-.29010	-.25450	-.01860	-.07790	-.09670	.05910
.793	18.700	.87690	.35970	-.00720	2.43780	-.29840	-.26580	-.11980	-.11820	-.23800	-.00150
.792	19.430	.90210	.38110	-.00600	2.36650	-.30750	-.28330	-.13200	-.15310	-.28510	.02110
.793	20.160	.92280	.40180	-.00240	2.29650	-.31060	-.29540	-.17450	-.15770	-.33230	-.01670
.795	20.770	.93740	.41990	.00160	2.23280	-.31750	-.31160	-.16680	-.15760	-.32440	-.00910

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0501)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSMP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1002/ 0 RN/L = 5.32

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.591	-3.990	-.21820	.07110	.02780	-3.06660	-.18900	-.16760	.20870	.14210	.35090	.06660
.593	-3.590	-.19950	.06870	.02680	-2.90410	-.18860	-.16570	.23140	.11160	.34300	.11970
.590	-2.830	-.16450	.06690	.02680	-2.45720	-.18670	-.16150	.18100	.09910	.28020	.08180
.591	-1.820	-.12120	.06430	.02610	-1.88500	-.19190	-.16730	.19700	.13030	.32730	.06660
.589	-.760	-.07550	.06290	.02610	-1.20020	-.18820	-.16220	.16570	.10660	.27230	.05910
.591	.340	-.02250	.06120	.02720	-.36760	-.18730	-.15760	.16160	.09490	.25660	.06660
.593	1.440	.02810	.06080	.02610	.46220	-.18810	-.15810	.19700	.13030	.32730	.06660
.592	2.540	.08200	.06230	.02470	1.31710	-.18390	-.15030	.20780	.08800	.29590	.11970
.594	3.680	.13520	.06410	.02400	2.10610	-.18830	-.15310	.18060	.07600	.25660	.10460
.594	4.800	.18890	.06710	.02300	2.81500	-.18130	-.14420	.19260	.10320	.29590	.08940
.595	5.940	.24240	.07110	.02130	3.40930	-.18540	-.14840	.17020	.14140	.31160	.02870
.594	7.080	.29840	.07660	.02010	3.89170	-.18540	-.14510	.12710	.10590	.23310	.02110
.596	8.250	.35680	.08390	.01920	4.24890	-.18510	-.14240	.10350	.08240	.18590	.02110
.598	9.410	.40850	.09250	.01920	4.41600	-.19070	-.14840	.12360	.12510	.24880	-.00150
.600	10.600	.46960	.10440	.02110	4.49820	-.18660	-.14010	.11960	.12120	.24090	-.00150
.600	11.780	.53510	.12130	.01990	4.40800	-.18940	-.14320	.09230	.10140	.19380	-.00910
.604	12.980	.59220	.14260	.01840	4.15050	-.19340	-.14840	.10120	.17100	.27230	-.06980
.602	14.170	.65690	.17460	.01610	3.76100	-.20080	-.15380	.06660	.17430	.24090	-.10770
.603	15.380	.71070	.20640	.01220	3.44270	-.21130	-.16510	.01660	.18500	.20160	-.16840
.602	16.570	.76740	.24270	.00820	3.16070	-.22210	-.18060	-.00160	.24260	.24090	-.24420
.602	17.760	.82110	.28080	.00460	2.92370	-.23080	-.19130	-.00610	.20780	.20160	-.21390
.598	18.890	.88720	.32330	-.00180	2.74390	-.24250	-.20840	-.02910	.21510	.18590	-.24420
.598	19.920	.94660	.36210	-.00720	2.61360	-.24660	-.21540	-.06360	.22600	.16240	-.28970
.598	20.590	.98250	.38720	-.00900	2.53730	-.24810	-.22100	-.04090	.20330	.16240	-.24420
.597	20.800	.99310	.39350	-.01080	2.52340	-.25210	-.22930	-.02490	.23440	.20950	-.25940

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0501)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSNP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1008/ 0 RN/L = 5.25

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.789	-4.110	-.25810	.07970	.03970	-3.23570	-.21960	-.19500	.17040	-.06300	.10740	.23350
.787	-3.760	-.23820	.07740	.03880	-3.07540	-.22100	-.19490	.19400	-.03940	.15450	.23350
.786	-3.040	-.19790	.07370	.03740	-2.68210	-.22070	-.19420	.17820	-.06280	.11530	.24110
.786	-2.020	-.14520	.07010	.03480	-2.07110	-.22170	-.19400	.14650	-.10970	.03670	.25620
.788	-.940	-.08970	.06790	.03400	-1.31960	-.21990	-.19300	.17340	-.11310	.06030	.28660
.785	.170	-.03460	.06680	.03150	-.51910	-.22100	-.19510	.15810	-.10560	.05240	.26380
.784	1.290	.02110	.06650	.03020	.31720	-.22040	-.19230	.18510	-.10900	.07600	.29420
.787	2.410	.07870	.06730	.02840	1.16900	-.21900	-.18830	.15490	-.07100	.08390	.22590
.790	3.550	.13900	.06970	.02620	1.99290	-.21550	-.18640	.16960	-.10930	.06030	.27900
.791	4.700	.19900	.07420	.02470	2.67980	-.21720	-.18330	.11550	-.11800	-.00240	.23350
.794	5.840	.26150	.08110	.02190	3.22320	-.21510	-.18050	.15010	-.12120	.02890	.27140
.793	7.010	.32450	.09170	.01840	3.53740	-.21780	-.18160	.06120	-.13430	-.07310	.19560
.796	8.170	.37980	.10490	.01640	3.61820	-.21780	-.17930	.05740	-.13050	-.07310	.18800
.797	9.370	.43520	.12170	.01740	3.57550	-.22090	-.18220	.02940	-.18890	-.15950	.21930
.799	10.550	.48710	.14110	.01870	3.45220	-.22570	-.18570	.01410	-.18150	-.16730	.19560
.801	11.730	.54000	.16380	.01830	3.29600	-.23250	-.19440	-.03260	-.20540	-.23800	.17280
.803	12.930	.59710	.19110	.01510	3.12360	-.24450	-.20300	-.06720	-.20220	-.26940	.13490
.804	14.160	.65810	.22370	.00660	2.94110	-.25280	-.21300	-.13710	-.22650	-.36370	.08940
.804	15.350	.72080	.25860	-.00250	2.78690	-.26540	-.22760	-.13640	-.18790	-.32440	.05150
.803	16.560	.78010	.29440	-.00570	2.64950	-.27780	-.24350	-.11640	-.14520	-.26160	.02870
.800	17.760	.83320	.32980	-.00620	2.52590	-.29130	-.26040	-.15090	-.13420	-.28510	-.01670
.798	18.930	.87840	.36460	-.00460	2.40860	-.30270	-.27930	-.20530	-.15830	-.36370	-.04700
.797	19.990	.91210	.39620	-.00220	2.30150	-.31060	-.29950	-.17840	-.16170	-.34010	-.01670
.795	20.710	.93240	.41740	.00190	2.23350	-.31890	-.31270	-.17030	-.13840	-.30870	-.03190
.795	21.010	.94270	.42640	.00310	2.21060	-.32160	-.32000	-.19320	-.12330	-.31650	-.06980

ORIGINAL PAGE IS
OF POOR QUALITY

LA57 (LTV 552) ORBITER 49-0

(SFD002)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	25.000	RN/L	=	6.000
GRITNO	=	120.000	RCSPOS	=	.000
BETA	=	.000	ALFSNP	=	1.000
BOFLAP	=	.000	RUOOR	=	.000

RUN NO. 20/ 0 RN/L = 6.22

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.894	.000	-.02750	.07880	.02840	-.34890	-.23900	-.20170	.38310	-.47980	-.09670	.86290
.896	.400	-.00620	.07860	.02720	-.07920	-.23650	-.19670	.35600	-.48410	-.12810	.84020
.898	1.050	.03090	.07890	.02310	.39170	-.23550	-.19820	.35530	-.52270	-.16730	.87810
.899	1.680	.06480	.08020	.02080	.80820	-.23630	-.19840	.33350	-.44590	-.11240	.77950
.897	2.240	.09990	.08250	.01770	1.21150	-.23290	-.19020	.33660	-.48830	-.15160	.82500
.897	2.800	.12890	.08380	.01750	1.53820	-.23270	-.19290	.33350	-.44590	-.11240	.77950
.895	3.320	.15710	.08620	.01470	1.82220	-.23230	-.19090	.37510	-.49540	-.12020	.87050
.895	3.880	.18290	.08880	.01570	2.05860	-.23090	-.18800	.36090	-.42620	-.06520	.78710
.893	4.430	.21200	.09250	.01580	2.29140	-.23070	-.18650	.39810	-.50270	-.10450	.90090
.892	4.970	.23690	.09630	.01630	2.45800	-.22930	-.18160	.37930	-.47600	-.09670	.85540
.895	5.530	.25720	.09980	.01620	2.57630	-.22770	-.18460	.42980	-.45580	-.02600	.88570
.896	6.080	.28510	.10500	.01750	2.71550	-.22740	-.18180	.47560	-.48590	-.01030	.96150
.895	6.630	.30980	.11100	.01620	2.79030	-.23030	-.18170	.46800	-.47830	-.01030	.94640
.896	7.170	.33270	.11580	.01750	2.87130	-.22770	-.17980	.44500	-.47100	-.02600	.91600
.893	7.700	.35860	.12220	.01580	2.93270	-.23010	-.17550	.44080	-.49040	-.04950	.93120
.896	8.260	.38230	.12780	.01650	2.99060	-.22400	-.17520	.44850	-.49020	-.04170	.93880
.894	8.810	.40350	.13500	.01640	2.98740	-.22730	-.17640	.49520	-.46630	-.02890	.96150
.894	9.360	.42640	.14210	.01580	2.99930	-.22450	-.17520	.45630	-.48240	-.02600	.93880
.891	9.880	.45070	.15040	.01570	2.99680	-.23380	-.17960	.46470	-.44370	-.02100	.90840
.893	10.430	.47260	.15860	.01490	2.97960	-.23190	-.18140	.45360	-.41680	-.03670	.87050
.894	10.990	.49500	.16790	.01320	2.94770	-.23380	-.18200	.44980	-.41310	-.03670	.86290
.895	11.520	.52440	.17920	.01170	2.92560	-.23770	-.18690	.39230	-.39480	-.00240	.78710
.892	12.050	.54850	.18990	.01060	2.88820	-.24500	-.18780	.39200	-.41020	-.01810	.80230
.891	12.590	.57060	.20060	.00890	2.84480	-.24860	-.19010	.34600	-.39560	-.04950	.74160
.891	13.130	.59600	.21340	.00560	2.79280	-.25280	-.19570	.28950	-.31550	-.02600	.60510
.891	13.680	.62050	.22670	.00160	2.73600	-.25360	-.20380	.25200	-.25450	-.00240	.50650
.890	14.210	.64490	.23960	-.00080	2.69040	-.26040	-.21180	.17530	-.22490	-.04950	.40030
.890	14.740	.66560	.25190	-.00320	2.64180	-.26560	-.21520	.11010	-.20680	-.09670	.31690
.890	15.280	.69290	.26730	-.00270	2.59150	-.26880	-.21980	.05660	-.17690	-.12020	.23350
.892	15.830	.71440	.28080	-.00450	2.54380	-.26820	-.22400	.00280	-.16240	-.15950	.16520
.893	16.380	.74110	.29730	-.00430	2.49220	-.27430	-.23050	-.08890	-.11770	-.20660	.02870
.895	16.890	.76110	.31060	-.00540	2.45050	-.28350	-.23420	-.22480	-.17020	-.39510	-.05460
.896	17.450	.78500	.32650	-.00450	2.40480	-.28520	-.24130	-.35280	-.20710	-.56000	-.14560
.894	17.960	.80140	.33920	-.00460	2.36230	-.29360	-.24970	-.34890	-.20320	-.55210	-.14560
.892	18.480	.82380	.35490	-.00410	2.32090	-.30160	-.26050	-.41830	-.20440	-.62280	-.21390
.891	19.020	.84460	.37200	-.00220	2.27000	-.30740	-.27680	-.49510	-.18260	-.67780	-.31250
.892	19.520	.85800	.38460	-.00070	2.23100	-.31720	-.28690	-.53420	-.21420	-.74850	-.32000
.891	20.040	.87160	.39930	.00180	2.18270	-.32490	-.30200	-.56500	-.20700	-.77200	-.35800
.888	20.510	.88680	.41420	.00480	2.14080	-.34070	-.32550	-.55700	-.19140	-.74850	-.36550
.892	20.960	.89360	.42470	.00910	2.10410	-.34310	-.33250	-.62210	-.16550	-.78770	-.45650
.889	21.210	.90540	.43510	.01180	2.08090	-.35600	-.34130	-.61830	-.16930	-.78770	-.44900

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0002)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 21/ 0 RN/L = 6.23

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.192	.000	-.02040	.14780	.03610	-.13880	-.33710	-.35280	.39610	-.39860	-.00240	.79470
1.188	.360	-.00270	.14800	.03140	-.01860	-.34280	-.35250	.43490	-.38240	-.05240	.81740
1.187	1.020	.03640	.14860	.02260	.24530	-.34270	-.35170	.41190	-.37510	.03670	.78710
1.190	1.720	.08010	.15010	.01460	.53390	-.33690	-.34580	.38840	-.39870	-.01030	.78710
1.185	2.360	.11760	.15250	.00550	.77070	-.34310	-.34090	.39650	-.37540	.02100	.77190
1.188	2.930	.15040	.15500	.00000	.97080	-.33810	-.33750	.40850	-.34820	.06030	.75680
1.186	3.520	.18330	.15850	-.00710	1.15640	-.34250	-.33220	.39360	-.31760	.07600	.71130
1.189	4.100	.21720	.16230	-.01250	1.33770	-.34090	-.32770	.38560	-.33310	.05240	.71880
1.188	4.700	.25120	.16720	-.01770	1.50220	-.34200	-.32580	.37820	-.31790	.06030	.69610
1.186	5.310	.28120	.17240	-.02320	1.63120	-.34780	-.32410	.38540	-.34860	.03670	.73400
1.188	5.900	.31570	.17830	-.02820	1.77050	-.34480	-.32530	.36290	-.31040	.05240	.67330
1.186	6.500	.34630	.18480	-.03200	1.87380	-.34820	-.32810	.34350	-.31460	.02890	.65820
1.186	7.080	.37880	.19160	-.03640	1.97660	-.35120	-.33190	.28200	-.30020	-.01810	.58230
1.186	7.680	.40900	.19880	-.03960	2.05640	-.35190	-.33420	.31010	-.24190	.06810	.55200
1.188	8.280	.44020	.20680	-.04260	2.12860	-.35360	-.33480	.21070	-.18960	.02100	.40030
1.187	8.880	.46720	.21450	-.04410	2.17760	-.35450	-.33510	.20040	-.11650	.08380	.31690
1.185	9.470	.49560	.22260	-.04700	2.22560	-.36040	-.34520	.07780	-.06460	.01320	.14250
1.184	10.060	.52330	.23140	-.04840	2.26150	-.36040	-.34510	-.00210	-.00810	-.01030	.00600
1.183	10.660	.55270	.24180	-.05000	2.28520	-.36190	-.34730	-.14510	-.02220	-.16740	-.12290
1.186	11.260	.58080	.25270	-.05080	2.29760	-.36020	-.34500	-.28760	-.00540	-.29300	-.28210
1.187	11.860	.61060	.26420	-.05220	2.30540	-.36350	-.34430	-.46600	-.06250	-.52860	-.40350
1.186	12.460	.63790	.27750	-.05360	2.29880	-.36760	-.34650	-.55460	-.05250	-.60710	-.50200
1.183	13.050	.66860	.29230	-.05750	2.28680	-.37320	-.35400	-.65400	-.00020	-.65420	-.65370
1.183	13.640	.69720	.30710	-.05810	2.27030	-.37800	-.35700	-.70430	-.01270	-.71700	-.69160
1.182	14.230	.72840	.32340	-.06120	2.25200	-.38280	-.36200	-.79670	.00110	-.79560	-.79780
1.179	14.830	.75670	.34030	-.06320	2.22310	-.39350	-.36410	-.90140	-.02770	-.92910	-.87370
1.182	15.410	.78340	.35690	-.06530	2.19500	-.39900	-.36910	-.98610	-.02140	-.1.00760	-.96470
1.185	15.990	.80770	.37270	-.06780	2.16680	-.40110	-.37360	-.1.03250	-.02220	-.1.05470	-.1.01020
1.181	16.580	.83870	.39150	-.07110	2.14200	-.40670	-.38500	-.1.13250	-.00860	-.1.14110	-.1.12390
1.181	17.170	.86310	.40860	-.07300	2.11230	-.41100	-.38490	-.1.18290	-.02100	-.1.20390	-.1.16180
1.185	17.750	.88310	.42440	-.07370	2.08050	-.40980	-.39330	-.1.26860	-.06880	-.1.33740	-.1.19980
1.188	18.330	.90360	.44150	-.07270	2.04670	-.41560	-.39650	-.1.34620	-.09330	-.1.43950	-.1.25280
1.191	18.900	.92380	.45840	-.07220	2.01510	-.41580	-.39900	-.1.38940	-.1.3650	-.1.52590	-.1.25280
1.189	19.470	.94310	.47580	-.07240	1.98200	-.42260	-.40880	-.1.43200	-.1.4880	-.1.58090	-.1.28320
1.188	20.020	.95980	.49240	-.07170	1.94920	-.42600	-.41650	-.1.49820	-.1.8470	-.1.68300	-.1.31350
1.179	20.580	.98140	.51230	-.07000	1.91580	-.43800	-.43120	-.1.57640	-.24010	-.1.81650	-.1.33630
1.184	21.060	.99230	.52660	-.06910	1.88420	-.44080	-.43570	-.1.61170	-.27540	-.1.88720	-.1.33630
1.183	21.390	1.00120	.53690	-.06850	1.86470	-.44720	-.44140	-.1.66170	-.26470	-.1.92640	-.1.33690

LA67 (LTV 552) ORBITER 49-0

(SF502)

PARAMETRIC DATA

ELEVON =	.000	AILFON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSNP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1020/ 0 RN/L = 6.23

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILFON	ELVN-L	ELVN-R
.893	-.040	-.03050	.07810	.02770	-.39070	-.23370	-.20010	.38710	-.46820	-.08100	.65540
.893	.170	-.01910	.07760	.02750	-.24630	-.23510	-.19780	.42550	-.48290	-.05740	.90840
.893	.370	-.00700	.07730	.02590	-.09160	-.23720	-.19700	.39450	-.49120	-.09670	.68570
.893	.700	.01490	.07780	.02420	.19180	-.23510	-.19490	.40990	-.49090	-.08100	.90090
.896	1.110	.03640	.07750	.02250	.47020	-.23320	-.19010	.40580	-.50260	-.09670	.90840
.893	1.610	.06700	.07960	.02040	.84260	-.23700	-.19610	.41080	-.43690	-.02600	.84780
.897	2.160	.09600	.08070	.01860	1.18900	-.22950	-.18950	.41360	-.50240	-.08880	.91600
.895	2.700	.12800	.08320	.01610	1.53780	-.23420	-.18980	.36750	-.48780	-.12020	.65540
.896	3.260	.15290	.08550	.01480	1.78770	-.23300	-.18690	.40600	-.49480	-.08880	.90090
.895	3.840	.18490	.08950	.01510	2.06460	-.23250	-.18450	.40230	-.48330	-.08100	.68570
.896	4.410	.21110	.09270	.01400	2.27740	-.22850	-.18340	.43720	-.47110	-.03380	.90840
.897	4.990	.23410	.09570	.01480	2.44410	-.22650	-.18240	.41830	-.45220	-.03380	.87050
.894	5.540	.26220	.10120	.01580	2.58990	-.23280	-.18130	.40660	-.45620	-.04950	.66290
.896	6.120	.28820	.10600	.01550	2.71780	-.22490	-.17770	.41790	-.47530	-.05740	.69330
.898	6.710	.31670	.11150	.01570	2.83820	-.22490	-.17170	.33270	-.49230	-.15950	.82500
.898	7.300	.34300	.11830	.01540	2.89810	-.22340	-.17690	.37620	-.43360	-.05740	.80980
.897	7.870	.36970	.12520	.01490	2.95150	-.23050	-.17830	.35330	-.41860	-.06520	.77190
.897	8.450	.39750	.13310	.01510	2.98710	-.22950	-.17610	.31460	-.42700	-.11240	.74160
.900	9.030	.41580	.13930	.01370	2.98400	-.22720	-.17420	.29900	-.43500	-.13590	.73400
.900	9.630	.44150	.14900	.01420	2.96210	-.22930	-.18060	.29590	-.39260	-.09670	.68850
.900	10.210	.47220	.15950	.01320	2.95940	-.23600	-.18350	.18140	-.31740	-.13590	.49890
.902	10.800	.49490	.16910	.01250	2.92650	-.23560	-.18520	.17740	-.32910	-.15160	.50650
.901	11.400	.52320	.16100	.01070	2.89030	-.24310	-.18950	.07760	-.29990	-.22230	.37760
.902	11.990	.54790	.19250	.00760	2.84640	-.24490	-.19380	.00510	-.25110	-.24590	.25620
.903	12.600	.57490	.20510	.00710	2.80220	-.24580	-.19980	-.04420	-.20950	-.25370	.16520
.903	13.190	.59710	.21700	.00470	2.75100	-.25300	-.20210	-.14440	-.20350	-.34800	.05910
.903	13.790	.62390	.23180	.00210	2.69160	-.25810	-.20880	-.22110	-.17400	-.39510	-.04700
.903	14.400	.65140	.24690	.00000	2.63730	-.26410	-.21980	-.28630	-.15580	-.44220	-.13040
.904	15.010	.67450	.26120	-.00040	2.58150	-.26610	-.22200	-.35590	-.16480	-.52070	-.19110
.903	15.620	.70700	.27900	-.00050	2.53340	-.27630	-.23050	-.40580	-.14630	-.55210	-.25940
.904	16.230	.73070	.29450	-.00260	2.48110	-.28020	-.23930	-.46620	-.07020	-.53640	-.39590
.903	16.830	.75870	.31180	-.00430	2.43450	-.28610	-.24410	-.52140	-.14060	-.66210	-.38070
.903	17.440	.78160	.32730	-.00520	2.38810	-.29040	-.25190	-.53720	-.16410	-.70130	-.37310
.899	18.040	.81120	.34680	-.00380	2.33930	-.30450	-.26560	-.55650	-.16050	-.71710	-.39590
.900	18.620	.83040	.36170	-.00470	2.29520	-.31030	-.27430	-.59130	-.16500	-.75630	-.42620
.897	19.220	.85490	.38110	-.00160	2.24320	-.31870	-.29490	-.60660	-.15760	-.76420	-.44900
.897	19.770	.87080	.39650	-.00060	2.19610	-.32970	-.31190	-.62210	-.16550	-.78770	-.45650
.898	20.260	.88070	.40850	.00310	2.15590	-.33610	-.31990	-.66440	-.15470	-.81910	-.50960
.898	20.680	.89010	.41990	.00520	2.11950	-.34180	-.32700	-.66130	-.19710	-.85840	-.46410
.896	21.090	.90210	.43130	.00820	2.09130	-.35070	-.33790	-.64540	-.17370	-.81910	-.47170
.891	21.250	.90410	.43550	.01200	2.07600	-.35840	-.34450	-.65300	-.16610	-.81910	-.48690

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD003)

PARAMETRIC DATA

ELEVON *	.000	AILRON *	.000
SPDRK *	25.000	RN/L *	7.500
G31TNO *	120.000	RCSP05 *	.000
BETA *	.000	ALFSWP *	1.000
BOFLAP *	.000	RUDDER *	.000

RUN NO. 3/ 0 RN/L = 7.63

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPR	ELEVON	AILRON	ELVN-L	ELVN-R
.607	-3.830	-.20720	.06760	.02620	-3.06200	-.17950	-.15420	.57440	-.12920	.44510	.70370
.605	-2.910	-.16840	.06480	.02590	-2.59600	-.17800	-.16690	.53880	-.18000	.35870	.71880
.602	-2.080	-.12850	.06230	.02520	-2.06250	-.17070	-.20220	.54360	-.12210	.42150	.66580
.599	-1.310	-.09480	.06070	.02430	-1.56210	-.17360	-.23770	.55810	-.17580	.38230	.73400
.594	-.540	-.05960	.06000	.02400	-.99270	-.17610	-.26310	.52360	-.16490	.35870	.68850
.591	.220	-.02580	.05950	.02330	-.43360	-.17670	-.27730	.57410	-.14470	.42940	.71880
.590	1.020	.00890	.05890	.02280	.15130	-.17590	-.27770	.57780	-.15620	.42150	.73400
.587	1.780	.04820	.05970	.02270	.80740	-.17750	-.27600	.54740	-.12590	.42150	.67330
.589	2.560	.08280	.05970	.02180	1.38580	-.17730	-.26300	.53920	-.15690	.38230	.69610
.588	3.330	.11890	.06170	.02130	1.92630	-.17820	-.24790	.54380	-.11430	.42940	.65820
.590	4.130	.15640	.06330	.02030	2.47110	-.17570	-.22690	.54740	-.12590	.42150	.67330
.592	4.900	.19260	.06520	.01940	2.95230	-.17780	-.21600	.59350	-.14050	.45290	.73400
.593	5.680	.23190	.06820	.01930	3.40070	-.17670	-.20330	.55460	-.15660	.39800	.71130
.596	6.480	.27080	.07130	.01850	3.79770	-.17530	-.19750	.53170	-.14160	.39010	.67330
.595	7.250	.30790	.07510	.01680	4.09960	-.17760	-.18950	.54320	-.14520	.39800	.68850
.595	8.020	.35050	.08060	.01590	4.34540	-.17640	-.18380	.55540	-.11030	.44510	.66580
.597	8.790	.38500	.08560	.01620	4.49630	-.17390	-.18470	.50910	-.11110	.39600	.62030
.597	9.590	.42230	.09230	.01620	4.57600	-.17200	-.18460	.56310	-.11010	.45290	.67330
.599	10.350	.45590	.09840	.01580	4.63110	-.17050	-.19020	.52060	-.11470	.40580	.63540
.597	11.130	.49610	.10730	.01800	4.62040	-.17140	-.20170	.52930	-.06060	.46860	.58990
.593	11.910	.53900	.11840	.01760	4.55240	-.17750	-.20750	.50190	-.08040	.42150	.58230
.592	12.710	.57940	.13070	.01750	4.43010	-.17660	-.20510	.49030	-.08440	.40580	.57480
.590	13.470	.62110	.14760	.01610	4.20630	-.18550	-.20350	.49870	-.04570	.45290	.54440
.593	14.220	.65400	.16550	.01380	3.94980	-.18500	-.20460	.39540	.00260	.39800	.39270
.589	15.000	.69400	.18720	.01270	3.70750	-.19170	-.20780	.36460	.00970	.37440	.35480
.589	15.750	.72490	.20680	.01210	3.50560	-.19660	-.20280	.26080	.02720	.28800	.23350
.591	16.530	.75610	.22830	.01100	3.31170	-.19640	-.19820	.23100	.08840	.31940	.14250
.591	17.280	.78860	.25160	.00890	3.13340	-.20720	-.20110	.21690	.15530	.38230	.05150
.589	18.020	.82910	.27900	.00730	2.97180	-.21520	-.20080	.14790	.19500	.34300	-.04700
.589	18.760	.87020	.30660	.00250	2.83830	-.22380	-.19660	.14000	.17940	.31940	-.03940
.592	19.500	.90190	.33100	-.00250	2.72450	-.22480	-.18310	.07540	.23620	.31160	-.16080
.589	20.240	.94800	.36160	-.00390	2.62180	-.23760	-.19750	.07480	.20530	.28020	-.13040
.592	20.840	.96990	.38080	-.00480	2.54700	-.23450	-.19780	.07620	.28250	.35870	-.20630
.591	21.060	.98230	.38960	-.00390	2.52130	-.23940	-.20550	.05270	.26670	.31940	-.21390

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0003)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 9/ 0 RN/L = 7.99

MACH	ALPHA	CL	CD	CLM	1/D	CPC	CP9	ELEVON	AILRON	ELVN-L	ELVN-R
.807	-3.910	-.24050	.07730	.03780	-3.11100	-.21040	-.18270	.45520	-.28560	.17020	.74160
.809	-2.990	-.19080	.07240	.03690	-2.63440	-.21170	-.18220	.49480	-.26950	.22520	.76430
.810	-2.150	-.14660	.06950	.03510	-2.10950	-.21150	-.18340	.50250	-.26940	.23310	.77190
.810	-1.350	-.10540	.06740	.03310	-1.56280	-.21150	-.18020	.47970	-.24660	.23310	.72640
.813	-.550	-.06890	.06660	.03210	-1.03520	-.21020	-.17970	.44480	-.25880	.18590	.70370
.812	.240	-.02510	.06560	.03090	-.38330	-.20890	-.17680	.46420	-.25460	.20950	.71880
.811	1.050	.01430	.06590	.02950	.21720	-.20850	-.17720	.44470	-.26650	.17810	.71130
.810	1.850	.05560	.06650	.02830	.83590	-.20900	-.17610	.44130	-.23960	.20160	.68090
.809	2.650	.10000	.06740	.02690	1.48450	-.20900	-.17660	.47180	-.26220	.20950	.73400
.810	3.440	.14040	.06920	.02570	2.02950	-.20890	-.17290	.49490	-.26180	.23310	.75680
.811	4.240	.18470	.07220	.02350	2.55620	-.20790	-.17170	.45710	-.21620	.24090	.67330
.810	5.060	.22990	.07640	.02120	3.00640	-.20720	-.17050	.48000	-.23120	.24880	.71130
.811	5.860	.27170	.08170	.01840	3.32290	-.20710	-.16730	.48460	-.18870	.29590	.67330
.810	6.660	.31270	.08870	.01560	3.52440	-.20800	-.16900	.46860	-.21980	.24880	.68050
.809	7.470	.35430	.09690	.01430	3.65380	-.20760	-.16700	.41470	-.21300	.20160	.62780
.809	8.250	.38990	.10550	.01440	3.69380	-.20960	-.16940	.44180	-.20870	.23310	.65060
.810	9.060	.42670	.11610	.01420	3.67340	-.21070	-.16760	.38060	-.17890	.20160	.55960
.807	9.860	.46160	.12760	.01560	3.61580	-.21470	-.17220	.38010	-.20980	.17020	.58990
.807	10.680	.49330	.14050	.01680	3.50870	-.21780	-.17120	.34570	-.19110	.15450	.53680
.806	11.430	.52390	.15430	.01700	3.39550	-.22170	-.17570	.33510	-.13340	.20160	.46860
.806	12.240	.55690	.17030	.01690	3.26860	-.22730	-.17890	.35150	-.07910	.27230	.43070
.807	13.000	.59210	.18720	.01440	3.16280	-.23250	-.18430	.33320	-.02160	.31160	.35480
.805	13.800	.63200	.20750	.01130	3.04500	-.24250	-.19360	.16600	-.09780	.06810	.26380
.805	14.570	.67100	.22930	.00590	2.92520	-.24900	-.20320	.03460	-.10780	-.07310	.14250
.806	15.340	.71050	.25220	-.00030	2.81740	-.25660	-.21010	-.02350	-.12810	-.15160	.10460
.805	16.140	.74970	.27570	-.00400	2.71890	-.26370	-.21990	-.12030	-.14910	-.26840	.02870
.804	16.930	.78620	.29880	-.00560	2.63070	-.26860	-.22570	-.20480	-.12740	-.33230	-.07740
.804	17.690	.81850	.32090	-.00540	2.55010	-.27650	-.23660	-.24760	-.14740	-.39510	-.10010
.802	18.450	.85010	.34380	-.00520	2.47260	-.28630	-.24820	-.25900	-.13610	-.39510	-.12290
.802	19.200	.87650	.36580	-.00350	2.39620	-.29600	-.26220	-.30040	-.07890	-.37940	-.22140
.801	19.950	.90230	.38890	-.00040	2.31980	-.30390	-.27870	-.39370	-.11910	-.51290	-.27450
.803	20.690	.91930	.40930	.00450	2.24630	-.30790	-.29260	-.35520	-.12620	-.48150	-.22900
.804	21.290	.93440	.42620	.00840	2.19220	-.31890	-.30810	-.33440	-.03710	-.37150	-.29730

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 229

LA67 (LTV 552) ORBITER 49-0

(SF0503)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSNP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1003/ 0 RN/L = 7.59

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.587	-4.120	-.21960	.06870	.02650	-3.19620	-.17910	-.15120	.43240	.13820	.57070	.29420
.586	-3.790	-.20550	.06770	.02550	-3.03540	-.17770	-.14640	.43950	.09980	.53930	.33970
.586	-3.100	-.17410	.06500	.02500	-2.67950	-.17480	-.14260	.43160	.09190	.52360	.33970
.585	-2.100	-.12880	.06260	.02430	-2.05740	-.17790	-.14660	.43990	.12290	.56290	.31690
.585	-1.020	-.08240	.06070	.02430	-1.35870	-.17650	-.15070	.41670	.12250	.53930	.29420
.587	.070	-.03070	.05880	.02340	-.52300	-.17450	-.15220	.41250	.10320	.51580	.30930
.586	1.190	.02130	.05880	.02310	.36250	-.17910	-.16140	.41250	.10320	.51580	.30930
.586	2.330	.07480	.05970	.02220	1.25330	-.17970	-.16530	.42390	.09180	.51580	.33210
.586	3.460	.13080	.06150	.02220	2.12750	-.17200	-.16270	.38930	.09510	.48430	.29420
.590	4.610	.18030	.06330	.02010	2.84580	-.17000	-.15920	.30900	.07960	.46860	.30930
.590	5.780	.23480	.06710	.02030	3.49560	-.16880	-.15570	.35500	.12150	.47650	.23350
.590	6.920	.29210	.07270	.01880	4.01510	-.17370	-.15550	.38600	.12970	.51580	.25620
.594	8.090	.34850	.07910	.01790	4.40260	-.16910	-.14610	.28580	.13570	.42150	.15010
.593	9.270	.40740	.08850	.01750	4.60110	-.17270	-.14320	.27830	.15100	.42940	.12730
.595	10.460	.46270	.09990	.01910	4.63030	-.17280	-.13410	.28540	.11250	.39800	.17280
.596	11.610	.52080	.11380	.01930	4.57650	-.17740	-.13250	.23160	.12700	.35870	.10460
.595	12.810	.58560	.13460	.01940	4.35750	-.18270	-.13590	.27900	.18960	.46860	.08940
.595	14.000	.64550	.16130	.01730	4.00050	-.18830	-.14070	.21310	.16910	.38230	.04390
.595	15.200	.69870	.19300	.01410	3.62040	-.19740	-.14750	.17180	.23400	.40580	-.06220
.599	16.400	.74730	.22550	.01090	3.31310	-.20240	-.15230	.12210	.26010	.38230	-.13800
.594	17.620	.81310	.26720	.00630	3.04240	-.21680	-.17260	.08650	.20940	.29590	-.12290
.595	18.790	.86710	.30720	.00100	2.82240	-.22510	-.18230	.06330	.20900	.27230	-.14560
.594	19.890	.92920	.34900	-.00420	2.66200	-.23020	-.19370	.08710	.24800	.33510	-.16080
.595	20.670	.96240	.37580	-.00390	2.56060	-.23610	-.19890	.06800	.25920	.32730	-.19110
.590	21.010	.98470	.38910	-.00450	2.53070	-.24080	-.20750	.03310	.24700	.28020	-.21390

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 230

LA67 (LTV 552) ORBITER 49-0

(SFD503)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSNP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1009/ 0 RN/L = 7.93

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.799	-4.280	-.25680	.07910	.03830	-3.24570	-.21310	-.18600	.36950	-.15210	.21730	.52170
.798	-4.030	-.24570	.07750	.03730	-3.16740	-.21360	-.18430	.39690	-.13230	.26450	.52920
.796	-3.410	-.21160	.07430	.03630	-2.84900	-.21360	-.18500	.36530	-.17150	.19380	.53680
.795	-2.450	-.16140	.07020	.03380	-2.29770	-.21360	-.18570	.35800	-.14840	.20950	.50650
.797	-1.350	-.10580	.06730	.03190	-1.57070	-.21360	-.18150	.35880	-.10210	.25660	.46100
.797	-.220	-.04880	.06550	.03010	-.74500	-.21410	-.18160	.34700	-.11390	.23310	.46100
.798	.910	.00810	.06510	.02820	.12540	-.21240	-.17870	.35030	-.14860	.20160	.49890
.798	2.050	.06630	.06570	.02650	1.00970	-.21170	-.17670	.37830	-.09020	.28800	.46860
.798	3.230	.13010	.06810	.02480	1.91000	-.20970	-.17690	.32730	-.14130	.18590	.46860
.800	4.410	.19260	.07200	.02220	2.57510	-.20930	-.17160	.35080	-.11770	.23310	.46860
.801	5.600	.25560	.07850	.01980	3.25560	-.20850	-.16890	.33110	-.14510	.18590	.47620
.803	6.790	.31870	.08840	.01690	3.60550	-.20920	-.16900	.32430	-.09120	.23310	.41550
.804	7.990	.37810	.10190	.01450	3.70990	-.20990	-.17120	.32180	-.01020	.31160	.33210
.806	9.200	.43150	.11740	.01530	3.67350	-.20980	-.17010	.23590	-.07340	.16240	.30330
.808	10.390	.47900	.13560	.01690	3.53180	-.21580	-.17270	.12730	-.10620	.02100	.23350
.811	11.600	.52870	.15790	.01770	3.34740	-.22310	-.17750	-.00850	-.15100	-.15950	.14250
.813	12.850	.58380	.18490	.01560	3.15620	-.23000	-.18850	-.11310	-.17990	-.29300	.06660
.814	14.050	.64240	.21620	.00890	2.97130	-.24590	-.20070	-.18500	-.10000	-.28510	-.08490
.815	15.310	.70330	.25140	.00160	2.79690	-.25600	-.21140	-.24310	-.11260	-.35580	-.13040
.814	16.520	.76110	.28680	-.00360	2.65340	-.26910	-.22760	-.26170	-.07050	-.33230	-.19110
.813	17.790	.81390	.32290	-.00380	2.52040	-.27960	-.24330	-.34280	-.07580	-.41060	-.26690
.810	19.010	.86430	.36000	-.00190	2.40090	-.29360	-.26580	-.35120	-.11450	-.46580	-.23660
.808	20.130	.90130	.39270	.00200	2.29500	-.30660	-.28550	-.33890	-.07190	-.41080	-.26690
.806	21.030	.92580	.41900	.00700	2.20940	-.31580	-.30710	-.37370	-.07630	-.45010	-.29730
.803	21.570	.94220	.43510	.00960	2.16530	-.32280	-.32160	-.41660	-.10410	-.52070	-.31250

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 231

LA67 (LTV 552) ORBITER 49-0

(SF0004)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRBK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 4/ 0 RN/L = 10.21

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.621	-3.830	-.20600	.06660	.02610	-3.09250	-.17520	-.14710	.72350	-.20770	.51580	.93120
.620	-2.920	-.16440	.06380	.02400	-2.57410	-.17020	-.14120	.71360	-.11140	.60210	.82500
.621	-2.050	-.12360	.06130	.02430	-2.01590	-.16920	-.13850	.68910	-.18900	.50010	.87810
.618	-1.290	-.09280	.06080	.02320	-1.52680	-.16850	-.13830	.75180	-.13390	.61790	.88570
.617	-.490	-.05240	.05920	.02310	-.88370	-.17150	-.14260	.68620	-.13120	.55500	.81740
.615	.280	-.02010	.05910	.02280	-.33950	-.16830	-.13660	.75190	-.12610	.62570	.87810
.613	1.090	.01770	.05900	.02220	.30140	-.16880	-.13910	.74800	-.13010	.61790	.87810
.612	1.880	.05680	.05910	.02180	.96060	-.16940	-.13490	.72830	-.14970	.57860	.87810
.612	2.690	.09360	.05920	.02100	1.57860	-.16890	-.13320	.72480	-.13050	.59430	.85540
.612	3.480	.13090	.06060	.02100	2.15800	-.16430	-.12540	.72180	-.08040	.64140	.80230
.611	4.280	.17020	.06280	.02070	2.70690	-.16670	-.12780	.72590	-.06870	.65710	.79470
.612	5.070	.20520	.06500	.02030	3.15350	-.16470	-.12650	.72580	-.07650	.64930	.80230
.612	5.880	.24410	.06840	.01930	3.56530	-.16580	-.12050	.67910	-.10040	.57860	.77950
.612	6.660	.27850	.07180	.01850	3.87750	-.16500	-.12350	.73000	-.05710	.67280	.78710
.613	7.460	.31980	.07640	.01690	4.18470	-.16390	-.12100	.71450	-.05740	.65710	.77190
.613	8.260	.35930	.08140	.01600	4.40980	-.16780	-.12320	.69530	-.05380	.64140	.74920
.614	9.070	.39830	.08740	.01560	4.55280	-.16880	-.12380	.68930	-.00350	.67280	.66580
.615	9.870	.43470	.09380	.01530	4.63050	-.16900	-.12210	.62610	-.03960	.58640	.66580
.614	10.660	.47620	.10250	.01680	4.64280	-.17180	-.12100	.65300	-.04300	.61000	.69610
.615	11.450	.51300	.11170	.01630	4.58930	-.16900	-.11730	.63870	-.01840	.65710	.62030
.616	12.260	.55150	.12240	.01680	4.50510	-.17180	-.12340	.66520	-.00810	.65710	.67330
.616	13.050	.59380	.13760	.01600	4.31530	-.17590	-.12510	.62690	.00660	.63360	.62030
.615	13.830	.63010	.15470	.01510	4.07320	-.17750	-.13030	.56950	.03260	.60210	.53680
.615	14.620	.66250	.17400	.01410	3.80630	-.18100	-.13450	.43140	.07650	.50790	.35480
.613	15.400	.69940	.19500	.01500	3.58570	-.18520	-.13710	.31690	.15170	.46860	.16520
.613	16.170	.72750	.21380	.01400	3.40250	-.19080	-.14040	.31350	.17860	.49220	.13490
.610	16.930	.76450	.23770	.01360	3.21540	-.20070	-.15020	.20220	.21140	.41370	-.00910
.610	17.720	.79460	.26030	.01220	3.05260	-.20650	-.15630	.08310	.23630	.31940	-.15320
.609	18.480	.82860	.28650	.01100	2.89220	-.21370	-.16780	.05230	.24350	.29590	-.19110
.609	19.220	.86980	.31490	.00290	2.76200	-.21910	-.17240	-.04400	.24570	.20160	-.28970
.608	19.970	.91960	.34530	-.00030	2.66250	-.22740	-.18540	-.11320	.25990	.14670	-.37310
.609	20.710	.95270	.37030	-.00140	2.57230	-.23130	-.19380	-.09380	.26410	.17020	-.35800
.609	21.320	.98210	.39250	-.00220	2.50170	-.23360	-.20270	-.07810	.27980	.20160	-.35800

LA67 (LTV 552) ORBITER 49-0

(SF0004)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 10/ 0 RN/L = 10.18

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.809	-4.010	-.24110	.07710	.03350	-3.12650	-.20570	-.18090	.80490	-.40690	.39800	1.21180
.810	-3.050	-.18930	.07220	.03270	-2.62040	-.20530	-.17920	.85160	-.38290	.46860	1.23450
.811	-2.180	-.14630	.06920	.03060	-2.11190	-.20760	-.17980	.81650	-.40280	.41370	1.21940
.813	-1.370	-.10630	.06750	.02960	-1.57440	-.20660	-.17850	.85500	-.40980	.44510	1.26490
.813	-.570	-.06780	.06620	.02840	-1.02410	-.20610	-.17710	.85130	-.39830	.45290	1.24970
.813	.240	-.02480	.06570	.02700	-.37760	-.20630	-.17430	.83220	-.38710	.44510	1.21940
.813	1.070	.02000	.06550	.02600	.30600	-.20520	-.17340	.81630	-.41820	.39800	1.23450
.814	1.890	.06430	.06630	.02480	.97030	-.20470	-.17210	.85580	-.36350	.49220	1.21940
.813	2.710	.10770	.06770	.02290	1.59150	-.20470	-.17100	.84810	-.36370	.48440	1.21180
.812	3.540	.14820	.06940	.02160	2.13430	-.20340	-.16900	.87880	-.37080	.50790	1.24970
.811	4.350	.19570	.07310	.01950	2.67460	-.20300	-.16680	.86350	-.36340	.50010	1.22700
.812	5.180	.24110	.07780	.01740	3.09650	-.20500	-.16680	.83200	-.40250	.42940	1.23450
.811	6.000	.28530	.08370	.01480	3.40670	-.20410	-.16490	.87140	-.35550	.51580	1.22700
.810	6.820	.32910	.09090	.01260	3.62010	-.20350	-.16470	.80570	-.36060	.44510	1.16630
.810	7.640	.36830	.09930	.01130	3.70680	-.20530	-.16640	.80920	-.37980	.42940	1.18900
.811	8.460	.40580	.10890	.01130	3.72580	-.20570	-.16580	.75210	-.33830	.41370	1.09050
.811	9.280	.44290	.11960	.01230	3.70070	-.20550	-.16240	.72580	-.29640	.42940	1.02220
.810	10.070	.47460	.13140	.01350	3.61140	-.21120	-.16550	.70210	-.32760	.37440	1.02980
.810	10.870	.50700	.14450	.01550	3.50670	-.21260	-.16480	.64520	-.27080	.37440	.91600
.809	11.670	.53920	.15860	.01550	3.39830	-.21650	-.16960	.59270	-.18680	.40580	.77950
.809	12.480	.57350	.17480	.01450	3.28070	-.22420	-.17810	.48500	-.16550	.31940	.65060
.808	13.270	.60990	.19290	.01310	3.16190	-.22970	-.18360	.43610	-.09310	.34300	.52920
.808	14.060	.64230	.21190	.01150	3.03150	-.23590	-.18790	.28220	-.07260	.20950	.35480
.807	14.860	.68020	.23400	.00710	2.90620	-.24820	-.19960	.03460	-.10780	-.07310	.14250
.807	15.680	.72250	.25630	.00120	2.79710	-.25540	-.20680	-.09650	-.11010	-.20660	.01360
.806	16.460	.76960	.28450	-.00450	2.70520	-.26150	-.21800	-.12690	-.07970	-.20660	-.04700
.805	17.240	.79680	.30590	-.00530	2.60410	-.27050	-.22950	-.20470	-.11970	-.32440	-.08490
.803	18.030	.82850	.32850	-.00470	2.52190	-.27650	-.23590	-.26990	-.10150	-.37150	-.16840
.802	18.790	.85620	.35030	-.00330	2.44420	-.28630	-.24580	-.29700	-.10590	-.40290	-.19110
.799	19.530	.88620	.37390	-.00110	2.36980	-.29790	-.26030	-.35420	-.06440	-.41860	-.28970
.800	20.250	.90820	.39550	.00220	2.29590	-.30760	-.27600	-.41570	-.06170	-.48150	-.35800
.802	20.960	.92270	.41390	.00570	2.22890	-.31500	-.29710	-.42390	-.08110	-.50500	-.34280
.801	21.530	.93840	.43210	.01180	2.17120	-.32840	-.31970	-.41210	-.06930	-.48150	-.34280
.803	21.760	.94470	.44000	.01430	2.14710	-.33530	-.33150	-.42690	-.03100	-.45790	-.39590

TABULATED SOURCE DATA, LTV TEST 552, LA67
LA67 (LTV 552) ORBITER 49-0

(SFDOOH)

PARAMETRIC DATA

ELEVON = .000 AILRON = .000
SPDRK = 25.000 RN/L = 10.000
GRITNO = 120.000 RCSPOS = .000
BETA = .000 ALFSAP = 1.000
BOXLAP = .000 RUDDER = .000

MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.904	.02270	.07860	.01900	-.28900	-.23020	-.20190	1.02740	-.48010	.54720	1.50760
.904	.00650	.07850	.01740	.08330	-.22870	-.19820	1.00080	-.45360	.54720	1.45450
.903	.05050	.07930	.01530	.63770	-.22700	-.19780	1.05470	-.46040	.59430	1.51510
.902	.09250	.08110	.01350	1.14080	-.22610	-.19570	1.04350	-.44130	.60210	1.46480
.901	.12800	.08330	.01150	1.53670	-.22550	-.19410	1.07410	-.45620	.61790	1.53030
.901	.15830	.08610	.01050	1.83760	-.22370	-.18760	1.02740	-.48010	.54720	1.50760
.902	.18560	.08930	.01230	2.07800	-.22350	-.18810	1.05890	-.44100	.61790	1.50000
.902	.21290	.09340	.01310	2.27940	-.22400	-.18460	1.03480	-.49540	.53030	1.53030
.904	.24180	.09790	.01320	2.46870	-.22260	-.18280	1.03200	-.43760	.59430	1.46960
.904	.27170	.10320	.01290	2.63240	-.22210	-.17990	1.04310	-.46440	.50760	1.50760
.905	.29800	.10800	.01200	2.75650	-.21820	-.17620	1.05440	-.47580	.57860	1.53030
.902	.32510	.11370	.01290	2.89310	-.22050	-.17940	1.05960	-.40240	.65710	1.46210
.902	.35140	.11960	.01280	2.93760	-.22120	-.17650	1.00850	-.45350	.55500	1.44690
.908	.37910	.12670	.01250	2.99040	-.22220	-.17600	1.03240	-.41450	.61790	1.44690
.901	.40650	.13410	.01150	3.02930	-.21990	-.17410	1.05890	-.44100	.61790	1.50000
.901	.43450	.14240	.01160	3.05030	-.22360	-.17800	1.01650	-.43790	.57860	1.45450
.900	.46490	.15230	.00980	3.05160	-.22630	-.18080	.98200	-.42690	.55500	1.40900
.901	.49360	.16250	.00780	3.03690	-.22660	-.18520	.97080	-.40780	.56290	1.37860
.900	.52230	.17380	.00470	3.00450	-.23080	-.18730	.92850	-.39700	.53150	1.32560
.901	.54400	.18430	.00350	2.95140	-.23400	-.19170	.90540	-.39740	.50790	1.30280
.901	.56790	.19580	.00240	2.89550	-.23860	-.19630	.77160	-.32640	.44510	1.09800
.900	.59290	.20850	.00180	2.84330	-.24370	-.20090	.67990	-.27400	.40580	.96390
.901	.61770	.22150	-.00010	2.78870	-.24870	-.20530	.54570	-.22620	.31940	.77190
.900	.64340	.23630	-.00210	2.72240	-.25220	-.20620	.38330	-.24450	.13890	.62780
.900	.67010	.25140	-.00560	2.66480	-.25770	-.21330	.25270	-.21590	.03670	.46860
.900	.69470	.26610	-.00600	2.61060	-.26230	-.22020	.19050	-.24010	-.04960	.3070
.899	.72060	.28190	-.00840	2.55630	-.26750	-.22620	.04680	-.23280	-.24590	.33970
.899	.74500	.29840	-.00840	2.49660	-.27410	-.22890	-.09210	-.30290	-.39510	.21070
.900	.77290	.31570	-.00710	2.44820	-.28040	-.23650	-.14980	-.29230	-.44220	.14250
.900	.79840	.33370	-.00650	2.39230	-.28670	-.24510	-.21550	-.29730	-.51290	.08180
.900	.81940	.34980	-.00660	2.34190	-.29360	-.25790	-.31610	-.31450	-.63070	-.00150
.898	.84480	.36940	-.00450	2.28660	-.31030	-.27560	-.40510	-.32770	-.73280	-.07740
.897	.86540	.38680	-.00180	2.23730	-.31890	-.28880	-.43650	-.35910	-.79560	-.21390
.897	.87900	.40260	.00120	2.18340	-.32750	-.30590	-.54010	-.32620	-.86630	-.69770
.898	.89040	.41700	.00490	2.13480	-.33600	-.31820	-.58610	-.31150	-.89770	-.27450
.896	.90370	.43290	.01020	2.08730	-.35210	-.33390	-.56650	-.29190	-.85840	-.32000
.899	.90770	.44470	.01700	2.04120	-.36310	-.34400	-.62060	-.30060	-.92120	-.35800
.899	.91220	.45320	.02250	2.01270	-.37020	-.34980	-.60430	-.24630	-.85060	

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(SF0004)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDRK	=	25.000	RN/L	=	10.000
GRITNO	=	120.000	RCSPDS	=	.000
BETA	=	.000	ALFSWP	=	1.000
BOFLAP	=	.000	RUDDER	=	.000

RUN NO. 25/ 0 RN/L = 10.22

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.193	.000	-.01800	.14790	.03560	-.12190	-.33820	-.34720	.66110	-.24730	.41370	.90840
1.189	.370	.00060	.14810	.03120	.00410	-.34080	-.34860	.67230	-.26640	.40580	.93890
1.189	1.050	.04290	.14850	.02230	.28910	-.34110	-.34770	.66500	-.24340	.42150	.90840
1.189	1.780	.08960	.15000	.01260	.59720	-.33950	-.33920	.62650	-.23640	.39010	.86290
1.191	2.430	.12740	.15230	.00410	.83600	-.33960	-.33110	.61910	-.22110	.39800	.84020
1.195	3.050	.16060	.15510	-.00260	1.03570	-.33760	-.32270	.60280	-.26760	.33510	.87050
1.198	3.660	.19360	.15880	-.00880	1.21900	-.33630	-.31500	.57990	-.25260	.32730	.83260
1.200	4.270	.22700	.16280	-.01450	1.39400	-.33730	-.31040	.62750	-.18230	.44510	.80990
1.197	4.900	.26380	.16850	-.02080	1.56550	-.33990	-.31610	.54230	-.19920	.34300	.74160
1.197	5.520	.29700	.17370	-.02680	1.70940	-.33990	-.31340	.59710	-.15200	.44510	.74920
1.193	6.150	.33060	.18070	-.03210	1.82960	-.34380	-.32090	.53460	-.19940	.33510	.73400
1.195	6.760	.36270	.18720	-.03650	1.93730	-.34690	-.32180	.52360	-.16490	.35870	.68850
1.196	7.370	.39450	.19460	-.04100	2.02740	-.34790	-.32300	.47780	-.13480	.34300	.61270
1.196	8.010	.42640	.20270	-.04450	2.10310	-.35050	-.32640	.47890	-.07300	.40580	.55200
1.197	8.620	.45750	.21080	-.04600	2.17020	-.35250	-.32940	.45330	.00740	.46080	.44580
1.194	9.250	.48950	.21990	-.04830	2.22510	-.35590	-.33840	.36850	.01370	.38230	.35480
1.193	9.880	.51930	.22950	-.04960	2.26100	-.35800	-.33810	.24800	-.03850	.20950	.28660
1.196	10.500	.55200	.24030	-.05110	2.29700	-.35900	-.34290	.09470	.02050	.11530	.07420
1.196	11.120	.58240	.25180	-.05280	2.31240	-.36030	-.34690	-.11290	.05540	-.05740	-.16840
1.193	11.750	.61140	.26380	-.05380	2.31680	-.36420	-.35200	-.26220	.11840	-.14380	-.38070
1.193	12.390	.64130	.27740	-.05450	2.31130	-.36670	-.35240	-.49000	.11060	-.37940	-.60060
1.192	13.010	.67300	.29160	-.05630	2.30780	-.37020	-.35440	-.69810	.12240	-.57570	-.82060
1.196	13.620	.69700	.30410	-.05850	2.29160	-.37050	-.34750	-.89980	.06490	-.83490	-.96470
1.193	14.260	.72980	.32180	-.06040	2.26730	-.37600	-.35170	-.1.09010	-.91170	-.1.10180	-.1.07840
1.192	14.850	.75310	.33660	-.06260	2.23680	-.38010	-.35570	-.1.22300	-.1.0660	-.1.32960	-.1.11630
1.192	15.470	.78220	.35460	-.06470	2.20570	-.38770	-.36120	-.1.32680	-.08910	-.1.41600	-.1.23770
1.193	16.090	.80840	.37180	-.06730	2.17410	-.39090	-.36610	-.1.43110	-.09480	-.1.52590	-.1.33630
1.194	16.690	.83860	.38960	-.07000	2.14680	-.39640	-.37110	-.1.55820	-.08540	-.1.64370	-.1.47280
1.195	17.320	.86160	.40740	-.07100	2.11480	-.39520	-.37500	-.1.65510	-.1.0640	-.1.76150	-.1.54860
1.191	17.910	.88630	.42580	-.07060	2.08140	-.40440	-.38280	-.1.74130	-.1.8510	-.1.92640	-.1.55620
1.192	18.520	.90790	.44350	-.07040	2.04710	-.40700	-.39000	-.1.83760	-.1.7520	-.2.01280	-.1.66240
1.190	19.090	.92750	.46080	-.07070	2.01280	-.41290	-.39700	-.1.90310	-.1.7240	-.2.07560	-.1.73060
1.194	19.710	.94420	.47770	-.06980	1.97640	-.41590	-.40470	-.1.96460	-.1.5810	-.2.12270	-.1.80650
1.192	20.290	.96430	.49660	-.06910	1.94170	-.42500	-.41280	-.2.01160	-.1.9750	-.2.20910	-.1.81400
1.192	20.870	.98180	.51460	-.06740	1.90770	-.42910	-.41930	-.2.12720	-.1.9180	-.2.31910	-.1.93540
1.192	21.440	.99650	.53180	-.06520	1.87370	-.43290	-.42590	-.2.18900	-.1.9290	-.2.38190	-.1.99610
1.192	21.940	1.01090	.54810	-.06330	1.84420	-.43980	-.43160	-.2.30910	-.2.2200	-.2.53110	-.2.08710
1.192	22.250	1.01920	.55760	-.06170	1.82770	-.44370	-.43870	-.2.38800	-.1.6020	-.2.46830	-.2.14770

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD005)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 12/ 0 RN/L = 12.04

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.816	-.030	-.03590	.06490	.02660	-.55480	-.20340	-.17200	.98000	-.32280	.65710	1.30280
.817	.270	-.02060	.06460	.02540	-.31990	-.20540	-.17000	.97920	-.36910	.61000	1.34830
.818	.960	.01600	.06490	.02560	.24730	-.20430	-.16900	.98000	-.32280	.65710	1.30280
.820	1.690	.05450	.06500	.02420	.83840	-.20100	-.16690	.98700	-.36120	.62570	1.34830
.819	2.380	.09110	.06600	.02280	1.38050	-.19880	-.16520	.98700	-.36120	.62570	1.34830
.817	3.010	.12290	.06760	.02230	1.81790	-.19950	-.16530	1.00350	-.29920	.70420	1.30280
.817	3.620	.15480	.06900	.02070	2.24210	-.19760	-.16340	1.00680	-.33390	.67280	1.34070
.815	4.240	.18900	.07140	.01930	2.64470	-.19880	-.16250	.96450	-.32310	.64140	1.28760
.814	4.880	.22480	.07500	.01790	2.99450	-.20000	-.16240	.97250	-.30750	.66500	1.28000
.812	5.490	.25610	.07840	.01540	3.26360	-.20150	-.16030	.99890	-.34170	.65710	1.34070
.811	6.130	.28970	.08350	.01410	3.46700	-.20170	-.16070	.96900	-.28830	.68070	1.25730
.813	6.760	.32000	.08850	.01240	3.61340	-.19950	-.16020	.98430	-.29570	.68850	1.28000
.812	7.380	.35240	.09500	.01150	3.70930	-.20190	-.16070	.93010	-.30440	.62570	1.23450
.812	8.000	.38100	.10180	.01110	3.74140	-.20130	-.15940	.94610	-.27320	.67280	1.21340
.813	8.610	.40760	.10890	.01110	3.74120	-.20100	-.15820	.91500	-.28920	.62570	1.20420
.811	9.240	.43660	.11790	.01230	3.70290	-.20590	-.16170	.84960	-.27880	.57070	1.12840
.812	9.840	.46050	.12590	.01230	3.65680	-.20610	-.16320	.83450	-.25590	.57860	1.09050
.811	10.460	.48760	.13630	.01350	3.57600	-.21010	-.16300	.82230	-.29080	.53150	1.11320
.811	11.090	.51280	.14660	.01480	3.49740	-.21300	-.16520	.76920	-.23770	.53150	1.00700
.810	11.700	.53870	.15770	.01520	3.41470	-.21680	-.16980	.72400	-.17680	.54720	.90090
.811	12.310	.55960	.16820	.01500	3.32620	-.21800	-.17160	.65850	-.17410	.48440	.83260
.811	12.910	.58350	.18030	.01490	3.23540	-.22120	-.17550	.55850	-.15270	.40580	.71130
.810	13.510	.61000	.19390	.01500	3.14560	-.22850	-.17980	.44860	-.04270	.40580	.49130
.810	14.120	.63780	.20850	.01310	3.05770	-.23260	-.18320	.30110	-.09160	.20950	.39270
.809	14.740	.66800	.22580	.01160	2.95850	-.24170	-.19200	.11240	-.07560	.03670	.18800
.808	15.350	.69710	.24260	.00760	2.87300	-.24690	-.19990	.02350	-.08100	-.05740	.10460
.807	15.950	.72950	.26060	.00350	2.79880	-.25410	-.20800	-.10380	-.08710	-.19090	-.01670
.806	16.560	.75980	.27940	-.00110	2.71880	-.26160	-.21410	-.15740	-.06480	-.22230	-.09250
.804	17.150	.79300	.29900	-.00290	2.64230	-.26920	-.22170	-.21550	-.07740	-.29300	-.13800
.803	17.740	.81120	.31540	-.00400	2.57160	-.27260	-.22940	-.23050	-.05460	-.28510	-.17590
.801	18.310	.83220	.33230	-.00300	2.50430	-.28050	-.23910	-.29220	-.04790	-.34010	-.24420
.800	18.880	.85170	.34840	-.00260	2.44420	-.28680	-.24850	-.31910	-.04450	-.36370	-.27450
.800	19.430	.87230	.36570	.00020	2.38490	-.29600	-.25790	-.41150	-.03070	-.44220	-.38070

TABULATED SOURCE DATA, LTV TEST 552, LA57

(SF00005)

LA57 (LTV 552) ORBITER 49-0

PARAMETRIC DATA

ELEVON = .000 AILRON = .000
 SPDRK = 25.000 RV/L = 12.000
 GRITNO = 120.000 RCSPOS = .000
 BETA = .000 ALFSAP = 1.000
 BOFLAP = .000 RUDDER = .000

RUN NO. 13/0 RV/L = 11.94

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.908	-.090	.02430	.07850	.02090	-.31020	-.22520	-.19280	1.02400	-.45320	.57070	1.47720
.908	.150	.00970	.07890	.01920	-.12400	-.22770	-.19480	1.02130	-.38770	.63360	1.40900
.909	.450	.00560	.07880	.01870	.07110	-.22450	-.19620	1.05690	-.42540	.64140	1.49240
.908	.790	.02700	.07940	.01650	.34080	-.22580	-.19250	1.03300	-.37590	.65710	1.40900
.908	1.180	.05010	.07950	.01530	.63060	-.22380	-.19350	1.05510	-.37200	.61790	1.49240
.907	1.560	.07310	.08040	.01450	.90860	-.22460	-.18940	1.09230	-.42520	.65710	1.50760
.907	1.920	.09340	.08110	.01330	1.15140	-.22140	-.18890	1.07050	-.43590	.63360	1.50760
.907	2.260	.11000	.08250	.01280	1.33210	-.22270	-.18670	1.07670	-.41370	.66500	1.49240
.908	2.580	.12720	.08330	.01200	1.52700	-.22040	-.18620	1.04770	-.42190	.62570	1.46960
.907	2.910	.14370	.08480	.01110	1.69360	-.22020	-.18410	1.06860	-.44090	.62570	1.50760
.906	3.200	.15930	.08530	.01150	1.84550	-.22050	-.18490	1.03620	-.41830	.61790	1.45450
.907	3.530	.17200	.08770	.01160	2.07170	-.22020	-.18250	1.07530	-.38670	.63360	1.46210
.905	3.810	.18540	.08950	.01240	2.28740	-.22060	-.18250	1.04400	-.41040	.66500	1.45260
.906	4.130	.19890	.09090	.01340	2.48740	-.22050	-.18250	1.06730	-.40230	.65020	1.53030
.906	4.460	.21280	.09290	.01390	2.68960	-.21930	-.17950	1.11730	-.41300	.68070	1.53030
.906	4.760	.22550	.09480	.01400	2.87760	-.21890	-.17940	1.10550	-.42460	.68850	1.50760
.905	5.070	.23990	.09710	.01420	3.07050	-.21910	-.17860	1.09810	-.40230	.66500	1.46960
.906	5.360	.25470	.09940	.01440	3.26290	-.21800	-.17640	1.06730	-.43260	.65500	1.53030
.905	5.700	.26890	.10200	.01440	3.45570	-.21830	-.17550	1.09780	-.37450	.73560	1.46960
.906	6.020	.28260	.10470	.01330	3.70110	-.21780	-.17350	1.09090	-.37870	.71210	1.46960
.906	6.330	.29690	.10760	.01330	3.95880	-.21750	-.17450	1.07870	-.41370	.66500	1.49240
.905	6.640	.31170	.11080	.01340	4.21750	-.21840	-.17360	1.05990	-.38700	.67280	1.46960
.906	6.960	.32480	.11360	.01230	4.48100	-.21730	-.17370	1.05970	-.39470	.66500	1.45450
.906	7.270	.34030	.11690	.01150	4.74920	-.21690	-.17200	1.08670	-.39810	.68850	1.46960
.905	7.570	.35570	.12060	.01090	5.01610	-.21610	-.17440	1.09170	-.33240	.75920	1.42410
.906	7.890	.36900	.12390	.01020	5.28110	-.21710	-.17400	1.05990	-.38700	.67280	1.44690
.905	8.190	.38190	.12780	.01030	5.54810	-.21750	-.17430	1.08410	-.32480	.75920	1.40900
.905	8.490	.39470	.13130	.00990	5.81510	-.21780	-.17400	1.09470	-.38250	.71210	1.47720
.907	8.810	.40790	.13530	.01040	6.08210	-.21930	-.18100	1.07110	-.40610	.66500	1.47720
.904	9.110	.42290	.13990	.01070	6.34910	-.22120	-.18000	1.05610	-.38320	.67280	1.43930
.905	9.440	.43550	.14400	.01000	6.61610	-.22170	-.17970	1.05620	-.37550	.68070	1.43170
.902	9.740	.44850	.14830	.01040	6.88310	-.22280	-.18270	1.03300	-.37590	.65710	1.37860
.902	10.040	.46320	.15320	.00970	7.15010	-.22670	-.18320	1.01790	-.36070	.65710	1.42410
.901	10.350	.47830	.15810	.00870	7.41710	-.22670	-.18510	1.04050	-.38350	.64140	1.33310
.900	10.650	.49370	.16320	.00760	7.68410	-.22820	-.18820	1.00700	-.34580	.68850	1.32580
.900	10.950	.50760	.16830	.00630	7.95110	-.23150	-.18820	1.00700	-.34610	.62570	1.31800
.898	11.250	.52140	.17360	.00500	8.21810	-.23330	-.18810	.97180	-.35450	.57860	1.28760
.898	11.550	.53420	.17920	.00440	8.48510	-.23710	-.18830	.93130	-.30180	.55500	1.15870
.898	11.850	.54690	.18440	.00400	8.75210	-.23740	-.18850	.85690	-.24830	.57860	1.07530
.898	12.140	.56070	.19030	.00350	9.01910	-.24240	-.19530	.82690	-.25740	.49220	1.00700
.897	12.450	.57500	.19710	.00270	9.28610	-.24350	-.19290	.74960			
.898	12.730	.58610	.20270	.00240							

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD005)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

		RUN NO. 13/ 0		RN/L = 11.94									
MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R		
.898	13.030	.59640	.20950	.00220	2.85960	-.24510	-.19510	.69590	-.24290	.45290	.93880		
.897	13.330	.60940	.21560	.00150	2.82630	-.25050	-.20200	.63100	-.20160	.42940	.83260		

LA57 (LTV 552) ORBITER 49-0

(SFD005)

PARAMETRIC DATA

ELEVON = .000
 SPDRK = .000
 CRITNO = .000
 BETA = .000
 BOFLAP = .000

AILRON = .000
 RN/L = .000
 RCSPOS = .000
 ALFSAP = .000
 RUDDER = .000

RUN NO. 67/0 RN/L = 5.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.605	-3.700	-.20190	.06800	.02580	-2.96880	-.19210	-.17050	.69450	-.10010	.59430	.79470
.602	-2.820	-.16120	.06630	.02530	-2.43100	-.19370	-.16800	.65980	-.09690	.58290	.75680
.604	-2.000	-.12480	.06450	.02500	-1.93520	-.19370	-.16410	.65970	-.10460	.59500	.76430
.604	-1.270	-.08860	.06340	.02530	-1.39550	-.19630	-.17360	.67960	-.06950	.61000	.74920
.608	-.500	-.05460	.06130	.02440	-.89190	-.19330	-.17040	.65280	-.08840	.59430	.71130
.605	-.230	-.02050	.06210	.02520	-.33070	-.19080	-.16900	.69870	-.08080	.61790	.77950
.608	1.010	.01380	.06040	.02470	.22990	-.18280	-.15380	.64440	-.09720	.54720	.74160
.605	1.750	.04830	.06140	.02380	.78680	-.18380	-.16020	.68370	-.05790	.62570	.74160
.606	2.510	.08340	.06120	.02410	1.36200	-.17750	-.15010	.65290	-.05070	.60220	.70370
.604	3.280	.11710	.06250	.02350	1.87310	-.19330	-.16340	.69490	-.07700	.61790	.77190
.602	4.020	.15410	.06460	.02200	2.38340	-.19210	-.15290	.68420	-.06980	.59430	.73400
.604	5.540	.22850	.06810	.02000	3.35370	-.18360	-.15480	.69560	-.03840	.65710	.73400
.601	6.300	.30280	.07180	.01830	4.00070	-.19270	-.16070	.68840	-.05040	.61790	.71380
.600	7.810	.34120	.08020	.01740	4.25310	-.18050	-.13810	.65660	-.06220	.59430	.71880
.598	8.570	.38250	.08700	.01700	4.39660	-.19320	-.16150	.67990	-.04980	.61790	.73400
.599	9.340	.42520	.09410	.01610	4.51770	-.19560	-.15350	.64500	-.04450	.64140	.65060
.606	10.080	.45360	.09990	.01580	4.53860	-.17730	-.14760	.61420	-.05910	.55500	.67330
.607	10.840	.49270	.10820	.01760	4.55090	-.18360	-.14630	.63940	-.00290	.64140	.63540
.605	11.600	.53040	.11790	.01850	4.49510	-.18630	-.14410	.66540	-.00030	.66500	.66580
.605	12.340	.57010	.12960	.01790	4.39610	-.18610	-.15290	.60330	-.01690	.58640	.62030
.600	13.110	.61740	.14900	.01610	4.14160	-.20640	-.15800	.62700	-.01430	.64140	.61270
.607	13.840	.64310	.16630	.01450	3.86570	-.18710	-.15490	.56480	-.01750	.54720	.58230
.599	14.520	.68910	.18790	.01230	3.66650	-.21170	-.16940	.48780	-.00340	.48440	.49130
.604	15.340	.71710	.20670	.00920	3.46960	-.20220	-.15700	.35920	-.07900	.28020	.43820
.597	16.080	.75560	.23130	.00820	3.30910	-.22590	-.17780	.33150	-.12190	.20950	.45340
.601	16.800	.79460	.25280	.00540	3.14240	-.21740	-.18390	.25830	-.11160	.14670	.37000
.599	17.550	.83080	.27710	.00400	2.99800	-.22240	-.19070	.21650	-.07760	.13880	.29420
.598	18.270	.87170	.30120	.00290	2.89430	-.22900	-.19260	.15760	-.13650	.02100	.29420
.599	18.980	.90840	.32560	-.00070	2.78930	-.22930	-.19950	.12410	-.06380	.06030	.18800
.601	19.690	.94300	.35080	-.00640	2.68810	-.22950	-.20380	.07430	-.04540	.02990	.11970
.601	20.360	.97150	.37570	-.00720	2.58550	-.24440	-.21480	.00920	-.01950	-.01030	.02870
.602	20.780	.99600	.39280	-.00870	2.53310	-.24130	-.20870	-.02990	-.05100	-.08100	.02110

TABULATED SOURCE DATA. LTV TEST 552. LA67

LA67 (LTV 552) ORBITER 49-0

(SFDS05)

PARAMETRIC DATA

ELEVON = .000 AILRON = .000
 SPDRK = 25.000 RN/L = 5.000
 GRITNO = .000 RCSPOS = .000
 BETA = .000 ALFSAP = 2.000
 BOFLAP = .000 RUDDER = .000

RUN NO. 1057/ 0 RN/L = 5.03

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.587	-3.980	-2.1630	.06960	.02820	-3.10370	-.18480	-.15770	.38980	-.09390	.29590	.48370
.594	-3.580	-1.9910	.06890	.02670	-2.88870	-.19630	-.17280	.36580	-.14060	.22520	.50650
.595	-2.760	-1.5800	.06490	.02620	-2.43280	-.19510	-.16850	.36210	-.13680	.22520	.49690
.594	-1.740	-1.1550	.06350	.02650	-1.81600	-.0310	-.17400	.38870	-.15560	.23310	.54440
.597	-.660	-.06320	.06100	.02590	-1.03690	-.18780	-.15660	.37800	-.10570	.27230	.48370
.593	.390	-.01380	.06160	.02540	-.22490	-.19520	-.16920	.38590	-.09780	.28800	.48370
.597	1.450	.03160	.06030	.02520	.52430	-.17990	-.14850	.42040	-.10880	.31160	.52930
.598	2.500	.07850	.06030	.02470	1.30100	-.18530	-.15190	.38890	-.14790	.24090	.53680
.595	3.550	.13180	.06340	.02470	2.07600	-.19040	-.15700	.38590	-.09780	.28800	.48370
.599	4.670	.18230	.06510	.02350	2.79610	-.18220	-.14760	.36210	-.13680	.22520	.49690
.601	5.790	.23320	.06820	.02180	3.41700	-.17590	-.14140	.29580	-.16020	.18590	.50650
.603	6.930	.29170	.07360	.01980	3.96190	-.17770	-.14180	.26200	-.17270	.12310	.48370
.599	8.060	.35400	.08180	.01870	4.32520	-.19300	-.14550	.22710	-.12310	.09170	.36240
.601	9.220	.41230	.09130	.01820	4.51260	-.19300	-.14550	.25820	-.11930	.13880	.37760
.601	10.390	.47370	.10420	.01900	4.54370	-.19620	-.15090	.22720	-.12760	.09960	.35480
.605	11.580	.52940	.11980	.02060	4.45260	-.18550	-.14780	.20420	-.12030	.08380	.32450
.608	12.770	.58570	.13970	.01940	4.19110	-.18590	-.14470	.11220	-.08330	.02890	.19560
.606	13.940	.64760	.16920	.01690	3.82580	-.20740	-.15620	.08090	-.10700	-.02600	.18800
.603	15.130	.70990	.20300	.01210	3.49580	-.22020	-.17060	.06310	-.02630	-.03670	.08940
.602	16.310	.77260	.23880	.00990	3.23440	-.22860	-.18660	.01640	-.05020	-.03380	.06560
.602	17.510	.83190	.27760	.00340	2.99570	-.23090	-.19380	.00880	-.04270	-.03380	.05150
.601	18.670	.89290	.31680	.00080	2.81800	-.23620	-.20590	-.01460	-.05850	-.07310	.04390
.602	19.740	.95090	.35710	-.00470	2.68290	-.24010	-.21570	-.01460	-.02370	-.03380	.01350
.601	20.500	.98610	.38650	-.00810	2.55090	-.24740	-.21930	-.01010	-.05820	-.05740	.05910
.600	20.770	1.00180	.39590	-.00930	2.53000	-.25210	-.21780	.00080			

ORIGINAL PAGE IS
 OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA57

LA57 (LTV 552) ORBITER 48-0

(SFD007)

PARAMETRIC DATA

ELEVON = .000 AILRON = .000
 SPDRK = 25.000 RN/L = 6.000
 ORITNO = .000 RCSPOS = .000
 BETA = .000 ALFSAP = 1.000
 BOFLAP = .000 RUDDER = .000

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.897	-3.690	-25960	.09310	.04260	-2.78690	-23730	-21850	.95930	-.95670	.90060	1.09800
.895	-2.980	-20130	.08670	.03800	-2.32040	-24120	-21530	.96900	-.96830	.90060	1.03740
.896	-2.110	-14810	.08250	.03360	-1.79560	-23260	-21490	.96880	-.97610	.89270	1.04490
.894	-1.340	-10370	.07970	.02970	-1.30050	-23050	-21320	1.00760	-.96770	.93990	1.07530
.892	-.580	-.05030	.07770	.02650	-.77640	-23460	-21190	.99970	-.97550	.92410	1.07530
.889	.210	-.01370	.07730	.02440	-.17840	-23140	-20970	.95340	-.97630	.87700	1.02980
.889	.980	.02960	.07850	.02080	.37770	-23280	-20460	.94570	-.97650	.86910	1.02220
.893	1.770	.07310	.07870	.01920	.92800	-22730	-20270	1.00730	-.98310	.92410	1.09050
.890	2.540	.11360	.08210	.01940	1.39350	-22920	-19870	.97590	-.11450	.86130	1.09050
.893	3.320	.15060	.08520	.01810	1.76740	-22760	-20110	1.00390	-.06390	.93980	1.06770
.893	4.100	.18980	.09010	.01720	2.10420	-22230	-19050	1.01070	-.11010	.90060	1.12080
.894	4.880	.22830	.09570	.01610	2.38620	-22140	-19030	1.01470	-.09640	.91630	1.11320
.890	5.640	.26550	.10090	.01550	2.63120	-22590	-19550	1.04980	-.07850	.97120	1.12640
.889	6.420	.30310	.10840	.01510	2.79650	-22280	-18800	.98790	-.08730	.90060	1.07530
.889	7.190	.33870	.11650	.01370	2.90590	-22600	-19570	1.04220	-.07090	.97120	1.11320
.893	7.970	.37430	.12530	.01240	2.98710	-22360	-19280	1.08000	-.04450	.92410	1.02980
.894	8.740	.40680	.13590	.01170	3.00580	-22660	-19380	.97700	-.03280	.96340	1.02980
.890	9.500	.43950	.14590	.01140	3.00620	-23060	-19680	1.01930	-.02140	.96340	1.07530
.887	10.270	.47310	.15730	.01030	2.96900	-23120	-19770	1.08440	-.04560	.90060	1.02980
.890	11.050	.50700	.17200	.00860	2.84590	-23510	-20350	.89650	-.01950	.87700	.91190
.893	11.840	.54140	.18670	.00560	2.61570	-24010	-21040	.86560	-.01610	.85340	.91600
.890	12.580	.57620	.20310	.00260	2.77790	-24880	-22030	.68390	-.04250	.64140	.88570
.890	13.350	.61060	.21980	-.00100	2.71430	-24520	-21510	.42100	-.07790	.34300	.72640
.889	14.110	.64380	.23720	-.00430	2.64390	-25910	-23180	.27420	-.08820	.18590	.36240
.887	14.870	.67810	.25650	-.00700	2.57560	-26310	-23470	.19320	-.08570	.10740	.27900
.888	15.640	.71250	.27660	-.00500	2.51340	-26480	-23580	.06750	-.08400	.07600	.05910
.890	16.400	.74420	.29610	-.00610	2.44700	-27650	-25010	-.01650	-.05330	.03670	-.06980
.891	17.160	.77750	.31790	-.00700	2.38040	-28680	-26450	-.09800	-.02480	-.07310	-.12290
.898	18.640	.84490	.36450	-.00860	2.31790	-30080	-28910	-.12070	-.04760	-.07310	-.16940
.888	19.380	.86610	.38560	-.00740	2.24600	-31950	-30470	-.21360	-.03050	-.18310	-.24420
.887	20.080	.88420	.40500	-.00500	2.18320	-32600	-32190	-.25950	-.05290	-.20660	-.31250
.887	20.770	.90220	.42540	-.00160	2.12100	-34460	-34900	-.32490	-.06330	-.26160	-.38830
.887	21.220	.91410	.43950	.00820	2.07960	-35680	-36650	-.33270	-.06320	-.26940	-.39590

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(SF00007)

PARAMETRIC DATA

ELEVON = .000 AILRON = .000 ELVN-R
 SPDRK = 25.000 RN/L = 6.000 ELVN-L
 GRITNO = .000 RCSPOS = .000
 BETA = .000 ALFLAP = 1.000
 BOFLAP = .000 RUDDER = .000

RUN NO. 65/ 0 RN/L = 6.50

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.189	1.189	-.01520	.14750	.03110	1.10310	-.33820	-.35080	1.12980	-.13500	.99480	1.26490
1.189	1.189	.01910	.14720	.02400	1.12570	-.33640	-.35270	1.16080	-.12670	1.03410	1.26760
1.187	1.187	.05690	.14840	.01630	.98380	-.33500	-.34790	1.11020	-.15460	.95550	1.26490
1.184	1.184	.09210	.15000	.00880	.61410	-.33820	-.35070	1.13340	-.15420	.97910	1.26760
1.190	1.190	.12390	.15130	.00200	.81910	-.33280	-.33440	1.13350	-.14650	.98690	1.28000
1.189	1.189	.15410	.15360	.00460	1.00300	-.33560	-.33810	1.11520	-.08890	1.02620	1.20420
1.189	1.189	.18380	.15700	.00990	1.17070	-.33500	-.33810	1.08370	-.12810	.95550	1.21180
1.188	1.188	.21300	.16040	.01500	1.32810	-.33460	-.32980	1.09150	-.12020	.97120	1.21180
1.190	1.190	.24190	.16400	.02070	1.47510	-.33240	-.32050	1.06880	-.14380	.92410	1.21180
1.188	1.188	.27290	.16850	.02570	1.61960	-.33310	-.32070	1.04940	-.10170	.94770	1.15110
1.188	1.188	.29920	.17290	.03080	1.73010	-.33730	-.32560	1.04260	-.04780	.99480	1.09050
1.189	1.189	.32650	.17850	.03480	1.84040	-.33520	-.31920	1.01930	-.05590	.96340	1.07530
1.187	1.187	.35570	.18420	.03890	1.93050	-.33870	-.32350	.97700	-.09240	.92410	1.02980
1.189	1.189	.38330	.18990	.04230	2.01860	-.33660	-.32350	.91450	-.09240	.82200	1.00700
1.185	1.185	.40990	.19650	.04490	2.08550	-.33940	-.32690	.83070	-.03220	.79550	.86290
1.187	1.187	.43440	.20260	.04680	2.14410	-.34120	-.33040	.82390	-.02160	.84560	.80230
1.184	1.184	.45920	.20980	.04840	2.18790	-.34480	-.33500	.66090	-.03510	.82570	.69610
1.189	1.189	.48260	.21620	.04920	2.23170	-.34410	-.33470	.54450	-.07580	.46870	.62030
1.188	1.188	.50700	.22380	.04950	2.26540	-.34310	-.32910	.42830	-.06400	.27230	.52930
1.188	1.188	.53220	.23200	.04950	2.29350	-.34310	-.33160	.36360	-.06400	.27230	.40030
1.183	1.183	.55490	.24060	.05010	2.30570	-.35020	-.34230	.22180	.00340	.22520	.21830
1.184	1.184	.57850	.24990	.05120	2.31520	-.35230	-.33990	.14480	.01750	.16240	.12730
1.185	1.185	.60380	.26040	.05300	2.31870	-.35520	-.34260	.05340	.06530	.13880	-.03190
1.187	1.187	.63250	.27250	.05530	2.32080	-.35630	-.33910	-.05110	.05650	.00530	-.10770
1.187	1.187	.65710	.28440	.05750	2.31020	-.36180	-.34930	-.17040	.07370	-.09670	-.24420
1.187	1.187	.68380	.29710	.06020	2.30130	-.36640	-.35220	-.26180	.14160	-.12020	-.40350
1.182	1.182	.71240	.31180	.06260	2.28470	-.37470	-.35970	-.33430	.19050	-.14380	-.52480
1.181	1.181	.73650	.32630	.06420	2.26410	-.38240	-.36230	-.41110	.21230	-.19880	-.62340
1.185	1.185	.75910	.33910	.06520	2.23860	-.37810	-.36340	-.48130	.16470	-.31660	-.64610
1.184	1.184	.78210	.35390	.06750	2.20960	-.38710	-.37100	-.56910	.22110	-.41080	-.79020
1.183	1.183	.80620	.36740	.06980	2.19440	-.39020	-.37010	-.59670	.18590	-.41080	-.78260
1.187	1.187	.82970	.38240	.07230	2.16940	-.39250	-.37940	-.66580	.20780	-.45790	-.87370
1.184	1.184	.85510	.39880	.07390	2.14430	-.39810	-.38820	-.75950	.17450	-.61500	-.90400
1.189	1.189	.87080	.41160	.07480	2.11510	-.39750	-.38600	-.79710	.19780	-.59930	-.99500
1.184	1.184	.89240	.42760	.07510	2.08690	-.40560	-.39980	-.86730	.15900	-.70920	-.1.02530
1.181	1.181	.91090	.44290	.07470	2.05640	-.41000	-.40470	-.92550	.13770	-.78770	-.1.06320
1.189	1.189	.92640	.45630	.07440	2.03020	-.40450	-.40250	-.94500	.12580	-.81920	-.1.07080
1.187	1.187	.94390	.47160	.07450	1.97160	-.40880	-.40720	-.96060	.11780	-.84270	-.1.07840
1.187	1.187	.95890	.48630	.07440	1.93990	-.41550	-.41230	-.97970	.12900	-.85060	-.1.10880
1.182	1.182	.97870	.50450	.07420	1.93990	-.42370	-.42500	-.1.09600	.09620	-.99980	-.1.19220
1.185	1.185	.98930	.51770	.07260	1.91080	-.42800	-.42320	-.1.08850	.08090	-.1.00760	-.1.16940
1.184	1.184	1.00280	.53150	.07130	1.88660	-.43430	-.43460	-.1.12350	.06870	-.1.05470	-.1.19220

TABULATED SOURCE DATA, LTV TEST 552, LAB7

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LAB7 (LTV 552) ORBITER 49-0

(SFD007)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 65/ 0 RN/L = 8.50

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.102	21.510	1.01380	.54240	-.07170	1.86920	-.44080	-.44130	-1.20040	.08280	-1.11760	-1.28320

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0507)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	.000
BETA =	.000	ALFSHP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1066/ 0 RN/L = 6.06

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.890	-4.200	-.27190	.09240	.04220	-2.94050	-.23260	-.21920	.94540	-.09190	.85340	1.03740
.892	-3.930	-.25190	.08960	.04020	-2.80440	-.23010	-.21510	.91450	-.09240	.82200	1.00700
.893	-3.280	-.21380	.08580	.03690	-2.49260	-.22960	-.21180	.95270	-.11490	.83770	1.06770
.899	-2.280	-.15560	.08180	.03190	-1.90120	-.23620	-.21960	.98410	-.08350	.90060	1.06770
.889	-1.180	-.08860	.07780	.02710	-1.13830	-.23580	-.21350	.94490	-.12280	.82200	1.06770
.887	-.050	-.02220	.07700	.02300	-.28830	-.23700	-.21430	.93440	-.05740	.87700	.99190
.893	1.090	.03900	.07740	.01900	.50430	-.22380	-.20540	.93770	-.09200	.84560	1.02980
.892	2.230	.10010	.08040	.01680	1.24370	-.22770	-.20090	.94530	-.09960	.84560	1.04490
.891	3.410	.15960	.08590	.01630	1.85820	-.23110	-.20640	.97670	-.06820	.90840	1.04490
.892	4.550	.21600	.09350	.01570	2.31050	-.22080	-.19410	.93020	-.07670	.85340	1.00700
.893	5.710	.27150	.10220	.01350	2.65620	-.22610	-.19460	.91810	-.11170	.80630	1.02980
.892	6.880	.32900	.11430	.01230	2.87660	-.22400	-.19690	.86540	-.03540	.82990	.90090
.896	8.050	.38080	.12730	.01090	2.99010	-.22050	-.19420	.78130	.00930	.79060	.77190
.895	9.240	.43050	.14370	.01020	2.99510	-.22090	-.19650	.71170	.00040	.71210	.71130
.896	10.420	.48520	.16350	.00880	2.96650	-.23150	-.20410	.63220	.08770	.71390	.54440
.899	11.630	.53930	.18640	.00490	2.89260	-.23530	-.20730	.42300	.03780	.46080	.38520
.899	12.830	.59160	.21240	.00110	2.78530	-.24790	-.22030	.24880	.00770	.25660	.24110
.902	14.060	.64100	.23930	-.00300	2.67790	-.25650	-.23070	.02180	.03850	.06030	-.01670
.899	15.260	.69720	.27050	-.00540	2.57760	-.26900	-.24630	-.12830	.05520	-.07310	-.18350
.902	16.490	.74740	.30130	-.00630	2.48060	-.27680	-.25430	-.17830	.06590	-.11240	-.24420
.899	17.700	.80110	.33620	-.00750	2.38230	-.29560	-.27680	-.27800	.10270	-.17520	-.38070
.894	18.890	.85420	.37440	-.00660	2.28130	-.31120	-.30170	-.31720	.06340	-.25370	-.38070
.892	20.010	.88510	.40540	-.00180	2.18340	-.33390	-.33680	-.34800	.07060	-.27730	-.41860
.891	20.880	.90510	.42950	.00480	2.10730	-.34760	-.35360	-.37840	.09320	-.28510	-.47170
.890	21.260	.91320	.43970	.00840	2.07650	-.35380	-.36350	-.34340	.11310	-.23020	-.45650

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 244

LA67 (LTV 552) ORBITER 49-0

(SFD507)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPDS =	.000
BETA =	.000	ALFSMP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1065/ 0 RN/L = 6.50

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.186	.010	-.01240	.14780	.03140	-.08430	-.33800	-.35710	1.07580	-.13590	.93980	1.21180
1.181	.280	.00460	.14770	.02740	-.03170	-.34300	-.36120	1.09530	-.12400	.97120	1.21940
1.179	.550	.02220	.14820	.02410	-.15020	-.34550	-.35910	1.04930	-.10940	.93980	1.15870
1.186	.910	.04320	.14800	.01880	-.29210	-.33660	-.34820	.96060	-.10710	.85340	1.06770
1.187	1.380	.07200	.14880	.01250	-.48410	-.33520	-.33960	.88790	-.07360	.81420	.96150
1.183	1.930	.10510	.15070	.00660	-.69740	-.34080	-.33840	.85790	-.02010	.83770	.87810
1.191	2.460	.13500	.15160	.00050	-.89000	-.33130	-.32930	.72780	.03920	.76710	.68850
1.189	3.030	.16800	.15450	-.00540	1.08680	-.33340	-.33000	.57340	.03650	.61000	.53680
1.190	3.600	.20000	.15780	-.01090	1.26700	-.33340	-.32610	.38030	.02540	.40580	.35480
1.193	4.170	.22900	.16150	-.01610	1.41770	-.33270	-.32250	.19860	.00300	.20160	.19560
1.199	4.740	.25840	.16550	-.02110	1.56060	-.32920	-.31220	.14150	.04440	.18590	.09700
1.196	5.330	.29090	.17100	-.02610	1.70040	-.33250	-.31480	-.01230	.07260	.06030	-.08490
1.190	5.900	.32180	.17670	-.03010	1.82030	-.33710	-.32610	-.11650	.06690	-.04950	-.18350
1.191	6.480	.35080	.18210	-.03450	1.92590	-.33810	-.32850	-.16760	.01590	-.15160	-.18350
1.193	7.090	.38080	.18910	-.03750	2.01400	-.33750	-.32270	-.27500	.05260	-.22230	-.32760
1.194	7.670	.41020	.19590	-.04000	2.09420	-.33990	-.32330	-.28990	.08320	-.20660	-.37310
1.191	8.270	.44090	.20400	-.04230	2.16120	-.34430	-.32910	-.40500	.11980	-.28510	-.52480
1.189	8.850	.46880	.21160	-.04400	2.21560	-.34620	-.33710	-.49460	.06810	-.42650	-.56270
1.188	9.460	.49910	.22080	-.04510	2.25950	-.34740	-.33640	-.60230	.08930	-.51290	-.69160
1.192	10.040	.52450	.22870	-.04640	2.29270	-.34610	-.33310	-.69450	.11090	-.58360	-.80540
1.188	10.660	.55790	.24050	-.04770	2.31980	-.35170	-.33950	-.78700	.11700	-.66990	-.90400
1.187	11.260	.58660	.25160	-.04920	2.33110	-.35630	-.34380	-.82220	.08940	-.73280	-.91160
1.187	11.880	.61780	.26460	-.05170	2.33470	-.35920	-.34520	-.90680	.10330	-.80340	-.1.01020
1.192	12.470	.64520	.27700	-.05450	2.32860	-.36090	-.34340	-.90300	.09950	-.80340	-.1.00260
1.191	13.090	.67710	.29210	-.05750	2.31760	-.36730	-.34950	-.97220	.11370	-.85840	-.1.08600
1.191	13.710	.70720	.30780	-.06060	2.29710	-.37220	-.35700	-.1.01950	.05890	-.96050	-.1.07840
1.196	14.340	.73540	.32390	-.06340	2.27020	-.37310	-.35330	-.1.08070	.08870	-.99190	-.1.16940
1.195	14.950	.76490	.34120	-.06580	2.24200	-.38130	-.36010	-.1.11950	.07260	-.1.04690	-.1.19220
1.193	15.550	.79360	.35820	-.06820	2.21530	-.39030	-.37090	-.1.12300	.09180	-.1.03120	-.1.21490
1.192	16.180	.82320	.37690	-.07020	2.18400	-.39400	-.37850	-.1.15840	.05650	-.1.10190	-.1.21490
1.196	16.790	.84630	.39380	-.07300	2.14860	-.39260	-.37660	-.1.17790	.04460	-.1.13330	-.1.22250
1.196	17.400	.87130	.41170	-.07410	2.11610	-.39510	-.38190	-.1.17000	.05240	-.1.11760	-.1.22250
1.188	18.000	.89880	.43140	-.07490	2.08340	-.40990	-.39970	-.1.16940	.09100	-.1.07830	-.1.26040
1.188	18.620	.91980	.44940	-.07450	2.04670	-.41240	-.40750	-.1.16990	.06010	-.1.10970	-.1.23010
1.194	19.210	.93660	.46610	-.07490	2.00930	-.41140	-.40410	-.1.16900	.11420	-.1.05470	-.1.28320
1.192	19.770	.95670	.48400	-.07450	1.97630	-.41680	-.41480	-.1.16980	.06790	-.1.10190	-.1.23770
1.192	20.310	.97420	.50140	-.07410	1.94270	-.42370	-.41960	-.1.17720	.08320	-.1.09400	-.1.26040
1.184	20.800	.99530	.52020	-.07320	1.91320	-.43620	-.43600	-.1.25070	.07030	-.1.18040	-.1.32110
1.191	21.160	.99870	.52880	-.07210	1.88870	-.43390	-.42780	-.1.20060	.06730	-.1.13330	-.1.26800
1.189	21.550	1.01210	.54130	-.07120	1.86960	-.43810	-.43610	-.1.21150	.10960	-.1.10190	-.1.32110

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0008)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSMP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 62/ 0 RN/L = 5.13

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.602	-3.910	-.21220	.07010	.02760	-3.02630	-.21270	-.18580	.43180	.09970	.53150	.33210
.602	-3.490	-.19500	.06810	.02710	-2.86070	-.21250	-.18630	.43180	.09970	.53150	.33210
.604	-2.900	-.16750	.06660	.02610	-2.51290	-.20820	-.18500	.45870	.09630	.55500	.36240
.607	-2.320	-.14180	.06530	.02580	-2.16940	-.20070	-.17330	.44720	.09990	.54720	.34720
.604	-1.800	-.11740	.06440	.02640	-1.82160	-.21140	-.18710	.40470	.09530	.50010	.30930
.606	-1.310	-.09770	.06320	.02650	-1.54420	-.20680	-.18320	.43520	.07270	.50790	.36240
.606	-.800	-.07150	.06250	.02650	-1.14340	-.20790	-.18240	.39260	.06810	.46080	.32450
.607	-.310	-.04930	.06170	.02560	-.79910	-.20520	-.18280	.43940	.09210	.53150	.34720
.614	.170	-.02600	.06070	.02500	-.42940	-.19790	-.16520	.44710	.09220	.53930	.35480
.613	.700	-.00410	.06090	.02500	-.06740	-.19430	-.16640	.41970	.07240	.49220	.34720
.616	1.180	.01750	.06120	.02480	.29120	-.19040	-.15590	.43950	.09980	.53930	.33970
.608	1.700	.04110	.06080	.02660	.67630	-.20370	-.18020	.41620	.09170	.50790	.32450
.608	2.200	.06260	.06090	.02690	1.02780	-.20200	-.17880	.43880	.06120	.50010	.37760
.614	2.700	.08580	.06090	.02600	1.40880	-.19220	-.15550	.42380	.08410	.50790	.33370
.607	3.210	.11180	.06190	.02720	1.80480	-.20090	-.17180	.42770	.08800	.51580	.33970
.606	3.720	.13890	.06330	.02680	2.19480	-.20310	-.16440	.40500	.11080	.51580	.29420
.607	4.230	.16280	.06440	.02650	2.52650	-.19960	-.15670	.40120	.11460	.51580	.28660
.606	4.720	.18620	.06600	.02600	2.82010	-.20010	-.15600	.45150	.12700	.57860	.32450
.608	5.210	.20650	.06690	.02400	3.08450	-.19160	-.16000	.44310	.08830	.53150	.35480
.608	5.730	.22950	.06910	.02330	3.32070	-.19100	-.15330	.42350	.06860	.49220	.35480
.604	6.250	.26310	.07210	.02310	3.64650	-.19750	-.16300	.42090	.14190	.56290	.27900
.609	6.740	.28180	.07390	.02130	3.81100	-.18660	-.14610	.44040	.15380	.59430	.28660
.611	7.220	.30300	.07580	.02140	3.99610	-.18620	-.14680	.43160	.09190	.52360	.33970
.604	7.750	.33950	.08040	.02160	4.22140	-.19740	-.16020	.38560	.10660	.49220	.27900
.605	8.230	.35870	.08280	.01990	4.32880	-.20030	-.15880	.44370	.11920	.56290	.32450
.609	8.730	.38120	.08600	.01910	4.42980	-.18490	-.14310	.40860	.09920	.50790	.30930
.609	9.250	.41020	.09120	.01940	4.49780	-.19010	-.14240	.39800	.15690	.55500	.24110
.610	9.750	.43420	.09570	.01850	4.53430	-.18860	-.14180	.43280	.16140	.59430	.27140
.608	10.240	.45960	.10090	.01820	4.55150	-.19310	-.15250	.39400	.14530	.53930	.24860
.605	10.760	.49030	.10780	.01980	4.54750	-.19940	-.15730	.36300	.13700	.50010	.22590
.611	11.250	.50600	.11160	.01960	4.53120	-.19170	-.14620	.37880	.16050	.53930	.21830
.605	11.760	.53940	.12020	.02060	4.48420	-.20240	-.16420	.38950	.11050	.50010	.27900
.607	12.270	.56270	.12810	.02130	4.39060	-.20180	-.15260	.42880	.14980	.57860	.27900
.607	12.740	.58700	.13720	.01920	4.27830	-.19930	-.16320	.37420	.11790	.49220	.25620
.609	13.260	.61120	.15090	.01830	4.04960	-.20280	-.15380	.35190	.16380	.51580	.18800
.611	13.740	.63060	.16280	.01700	3.87340	-.19850	-.15760	.34010	.15210	.49220	.18800
.604	14.250	.66480	.17810	.01620	3.73100	-.21850	-.16920	.35540	.14460	.50010	.21070
.610	14.720	.67790	.18850	.01500	3.59570	-.20270	-.16470	.32070	.14790	.46870	.17280
.609	15.210	.70190	.20180	.01230	3.47740	-.20780	-.17080	.16640	.14520	.31160	.02110
.603	15.720	.74430	.22060	.01110	3.37300	-.22420	-.18360	.08980	.20570	.30370	-.10770
.611	16.180	.74820	.23000	.00890	3.25300	-.21120	-.17180	.10220	.22510	.32730	-.12290
.508	16.670	.77610	.24630	.00750	3.15060	-.21990	-.18160	.03190	.17760	.20950	-.14560

TABULATED SOURCE DATA, LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD008)

PARAMETRIC DATA

ELEVON =	.000	AILERON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSNP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 62/ 0 RN/L = 5.13

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILERON	ELVN-L	ELVN-R
.608	17.160	.79860	.26200	.00720	3.04730	-.22570	-.18950	.00970	.23120	.24090	-.22140
.604	17.640	.83170	.27980	.00560	2.97210	-.23640	-.19350	-.01760	.21140	.19380	-.22900
.609	17.100	.83800	.28850	.00550	2.90460	-.23020	-.19210	.00160	.20790	.20950	-.20630
.606	18.580	.87160	.30640	.00420	2.84460	-.23690	-.20640	-.00990	.21150	.20160	-.22140
.608	19.040	.89510	.32280	.00170	2.77270	-.23880	-.19930	-.04870	.19540	.14670	-.24420
.609	19.470	.92130	.33950	-.00130	2.71330	-.24020	-.20120	-.05680	.17210	.11530	-.22900
.601	19.800	.95560	.35760	-.00510	2.67190	-.25610	-.22890	-.13040	.15930	.02890	-.28970

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 247

LA67 (LTV 552) ORBITER 49-0

(SFD508)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1062/ 0 RN/L = 5.11

NACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.598	-.050	-.03670	.06080	.02490	-.60370	-.20360	-.17610	.31150	.06280	.37440	.24860
.598	.180	-.02660	.06060	.02310	-.43860	-.19870	-.16760	.29260	.08180	.37440	.21070
.598	.430	-.01340	.05980	.02430	-.22390	-.19960	-.17930	.29650	.08570	.38230	.21070
.602	.790	.00250	.05910	.02320	.04290	-.19130	-.16780	.29620	.07030	.36660	.22590
.605	1.240	.02100	.05890	.02390	.35770	-.18290	-.15740	.33120	.08250	.41370	.24860
.600	1.760	.04450	.05960	.02460	.74630	-.19860	-.16450	.33160	.10560	.43720	.22590
.600	2.310	.07410	.06030	.02550	1.22820	-.19830	-.16150	.35810	.07910	.43720	.27900
.604	2.840	.09520	.06000	.02540	1.58650	-.18910	-.16110	.32330	.07460	.39600	.24860
.603	3.420	.12420	.06190	.02520	2.00340	-.19210	-.14980	.33900	.09030	.42940	.24860
.603	3.970	.15180	.06310	.02560	2.40340	-.19530	-.15320	.31930	.06300	.38230	.25620
.601	4.520	.17930	.06470	.02500	2.76830	-.19940	-.16310	.30000	.06650	.36660	.23350
.605	5.070	.20200	.06540	.02370	3.08540	-.18720	-.15830	.26090	.03490	.29590	.22590
.604	5.630	.23200	.06810	.02400	3.40530	-.19250	-.16200	.28010	.03160	.31160	.24860
.607	6.210	.25820	.07090	.02160	3.63970	-.18580	-.14120	.26140	.06580	.32770	.19560
.608	6.780	.28290	.07330	.02150	3.85990	-.18500	-.14100	.23420	.05380	.28800	.18040
.605	7.360	.31710	.07710	.02160	4.10900	-.19660	-.15050	.24150	.03070	.27230	.21070
.605	7.920	.34750	.08060	.02000	4.30720	-.19520	-.15930	.22370	.01900	.24880	.21070
.604	8.490	.37630	.08470	.02000	4.44250	-.19580	-.15970	.14800	-.02480	.12310	.17280
.610	9.080	.40140	.08900	.01820	4.51040	-.18580	-.13820	.10980	-.00230	.10740	.11210
.610	9.650	.42800	.09340	.01870	4.57910	-.18730	-.14660	.12130	-.00600	.11530	.12730
.606	10.250	.46520	.10160	.01960	4.57670	-.19510	-.15440	.09040	-.00650	.08390	.09700
.609	10.820	.49040	.10700	.01950	4.58100	-.19480	-.15460	.16010	.01000	.17020	.15010
.612	11.420	.51460	.11420	.02030	4.50410	-.19200	-.14480	.14890	.02910	.17810	.11970
.611	12.000	.54520	.12350	.02050	4.41390	-.19340	-.15390	.10250	.02060	.12310	.08180
.613	12.600	.57220	.13410	.01970	4.26500	-.19500	-.15030	.09490	.02820	.12310	.06660
.612	13.190	.60370	.14830	.01790	4.06990	-.19410	-.15940	.04560	.07750	.12310	-.03190
.609	13.790	.63690	.16460	.01730	3.86760	-.20810	-.17390	.01510	.18010	.11530	-.08490
.611	14.400	.66350	.18060	.01530	3.67250	-.20530	-.15730	-.00750	.12280	.11530	-.13040
.612	14.990	.68830	.19550	.01340	3.51960	-.20740	-.16000	-.07670	.13710	.06030	-.21390
.607	15.580	.72920	.21490	.01150	3.39240	-.22000	-.18650	-.08070	.13310	.05240	-.21390
.611	16.170	.75030	.23050	.00910	3.25400	-.21780	-.17180	-.11530	.13640	.02100	-.25180
.605	16.750	.79450	.25280	.00720	3.14190	-.23390	-.19700	-.04550	.16080	.11530	-.20630
.604	17.340	.82470	.27220	.00620	3.02980	-.24300	-.20640	-.06890	.14490	.07600	-.21390
.604	17.910	.85220	.29070	.00530	2.93110	-.24370	-.21550	-.07250	.15640	.08390	-.22900
.605	18.460	.87790	.30820	.00260	2.84820	-.24050	-.21180	-.11110	.15580	.04460	-.26690
.609	18.940	.89120	.32080	.00030	2.77790	-.23980	-.20220	-.10330	.16360	.06030	-.26690
.609	19.340	.91420	.33550	-.00200	2.72480	-.24250	-.20590	-.15350	.15890	.00530	-.31250
.609	19.650	.93300	.34830	-.00360	2.67870	-.23920	-.20430	-.13850	.13600	-.00240	-.27450
.608	19.900	.94180	.35460	-.00450	2.65550	-.24330	-.20840	-.13810	.15920	.02100	-.29730

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 248

LA67 (LTV 552) ORBITER 49-0

(SFD009)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSNP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 63/ 0 RN/L = 6.08

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.897	-3.910	-.25870	.09190	.04360	-2.81330	-.24030	-.21400	.84020	.06820	.90840	.77190
.897	-3.540	-.23500	.08900	.04240	-2.64120	-.24090	-.21610	.80510	.04830	.85340	.75680
.895	-2.960	-.20070	.08610	.03880	-2.33090	-.23760	-.21500	.78610	.06720	.85340	.71880
.897	-2.340	-.16490	.08260	.03600	-1.99620	-.23290	-.20850	.80880	.03680	.84560	.77190
.896	-1.860	-.13020	.08050	.03360	-1.61700	-.23410	-.20920	.79390	.06740	.86130	.72640
.893	-1.300	-.10240	.07940	.03110	-1.28930	-.23490	-.21120	.81660	.04460	.86130	.77190
.895	-.760	-.07120	.07770	.02940	-.91640	-.23420	-.20750	.79700	.02500	.82200	.77190
.896	-.250	-.04100	.07790	.02680	-.52590	-.23060	-.20310	.82070	.05630	.87700	.76430
.897	.270	-.01020	.07830	.02510	-.13110	-.23070	-.20380	.77840	.06710	.84560	.71130
.897	.790	.01830	.07790	.02300	.23520	-.23320	-.20840	.80540	.06370	.86910	.74160
.897	1.310	.04670	.07800	.02200	.59850	-.22930	-.20270	.82850	.06410	.89270	.76430
.892	1.820	.07640	.07370	.02050	.95880	-.23320	-.20610	.81360	.09470	.90840	.71880
.895	2.340	.10180	.08090	.02060	1.25860	-.23040	-.20400	.86750	.08800	.95550	.77950
.898	2.880	.12950	.08350	.02040	1.55090	-.22550	-.19600	.90150	.04610	.94770	.85540
.894	3.380	.15560	.08640	.01940	1.80080	-.22960	-.19730	.88510	-.00810	.87700	.89330
.897	3.910	.17890	.08800	.01920	2.03200	-.22330	-.19140	.91220	-.00380	.90840	.91600
.893	4.430	.20390	.09180	.01870	2.22160	-.22710	-.19380	.95080	-.00310	.94770	.95390
.894	4.940	.22910	.09530	.01810	2.40360	-.22790	-.19070	.91180	-.02690	.88490	.93880
.897	5.470	.25380	.09920	.01680	2.55800	-.21970	-.18360	.93090	-.03820	.89270	.96910
.892	5.970	.27830	.10370	.01630	2.68160	-.22780	-.19140	.94310	-.00320	.93980	.94640
.892	6.490	.30350	.10850	.01630	2.79680	-.22490	-.18620	.88920	.00350	.89270	.88570
.893	7.020	.32660	.11360	.01540	2.87440	-.22230	-.18620	.93930	.00050	.93980	.93880
.893	7.510	.34950	.11870	.01460	2.94710	-.22450	-.18560	.90800	-.02310	.88490	.93120
.891	8.030	.37530	.12580	.01350	2.98220	-.22660	-.19110	.92860	.05040	.97910	.87810
.897	8.540	.39330	.13120	.01340	2.99760	-.21900	-.18330	.89340	.02280	.91630	.87050
.893	9.050	.41590	.13890	.01320	2.99380	-.22900	-.19090	.90870	.01540	.92410	.89330
.896	9.580	.43720	.14620	.01290	2.99060	-.21660	-.18850	.91590	-.01530	.90060	.93120
.893	10.080	.46280	.15440	.01310	2.99730	-.22890	-.19330	.89390	.05370	.94770	.84020
.896	10.610	.48270	.16220	.01180	2.97450	-.22330	-.18600	.85820	-.00470	.85340	.86290
.890	11.110	.51220	.17270	.01030	2.96570	-.23860	-.20310	.85560	.06850	.92410	.78710
.896	11.630	.53070	.18080	.00890	2.93420	-.22920	-.19110	.77000	.02840	.79850	.74160
.894	12.140	.55290	.19150	.00730	2.88740	-.23390	-.19860	.76580	.00900	.77490	.75680
.892	12.650	.57490	.20180	.00590	2.84820	-.23660	-.20190	.73520	.02390	.75920	.71130
.891	13.150	.59750	.21320	.00280	2.80270	-.24290	-.20350	.60770	.01010	.61790	.59750
.892	13.650	.61890	.22500	.00020	2.74970	-.24360	-.21250	.49420	-.08050	.41370	.57480
.890	14.160	.64520	.23880	-.00090	2.70160	-.25390	-.22400	.38670	-.05150	.33510	.43820
.897	14.650	.65990	.24870	-.00200	2.65300	-.25260	-.21790	.32500	-.05260	.27230	.37760
.891	15.160	.68760	.26340	-.00280	2.60990	-.26140	-.23030	.22510	-.02340	.20160	.24860
.892	15.660	.70880	.27560	-.00340	2.57090	-.26310	-.23370	.16720	-.02830	.13880	.19560
.890	16.150	.73440	.29000	-.00510	2.53210	-.27060	-.24020	.06070	.06230	.12310	-.00150
.889	16.640	.75810	.30440	-.00610	2.49000	-.28020	-.24140	-.03560	.06450	.02890	-.10010
.893	17.140	.77500	.31640	-.00700	2.44910	-.27920	-.24440	-.06590	.09480	.02890	-.16080

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD009)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSMP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 63/ 0 RN/L = 6.08

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CP8	ELEVON	AILRON	ELVN-L	ELVN-R
.890	17.640	.80230	.33390	-.00730	2.40290	-.28980	-.26200	-.07350	.10240	.02890	-.17590
.891	18.120	.82140	.34760	-.00760	2.36270	-.29710	-.26930	-.11970	.10930	-.01030	-.22900
.892	18.620	.83930	.36240	-.00550	2.31590	-.29690	-.27790	-.18110	.12370	-.05740	-.30490
.891	19.080	.85640	.37680	-.00390	2.27280	-.30830	-.29460	-.21150	.15400	-.05740	-.36550
.893	19.490	.86430	.38640	-.00180	2.23640	-.31490	-.29710	-.27730	.14130	-.13590	-.41860
.895	19.790	.87200	.39490	-.00060	2.20810	-.31640	-.30070	-.32810	.10570	-.22230	-.44380

LA67 (LTV 552) ORBITER 49-0

(SF0009)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 64/ 0 RN/L = 6.48

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.188	.000	-.01770	.14790	.03290	-.12010	-.34110	-.35860	.91330	.27780	1.19110	.63540
1.188	.330	.00120	.14780	.02890	.00820	-.34110	-.35740	.92450	.25870	1.18330	.66580
1.186	.930	.03820	.14850	.02130	.25750	-.34320	-.35530	.89050	.30060	1.19110	.56990
1.187	1.540	.07640	.14960	.01330	.51060	-.34200	-.34860	.90570	.28540	1.19110	.62030
1.189	2.090	.10950	.15120	.00620	.72410	-.34000	-.34250	.89000	.26970	1.15970	.62030
1.186	2.610	.14070	.15350	.00010	.91650	-.34300	-.34130	.85180	.29220	1.14400	.55960
1.188	3.120	.16980	.15570	-.00550	1.09030	-.34000	-.33210	.90620	.31630	1.22250	.58990
1.189	3.640	.19720	.15910	-.01060	1.23940	-.34040	-.32560	.88730	.33520	1.22250	.55200
1.185	4.170	.22650	.16290	-.01650	1.38980	-.34430	-.33290	.83680	.31500	1.15190	.52170
1.185	4.690	.25720	.16680	-.02180	1.54130	-.34480	-.33120	.84790	.28820	1.13610	.55960
1.185	5.210	.28510	.17130	-.02670	1.66400	-.34420	-.32990	.82530	.31870	1.14400	.50650
1.181	5.730	.31440	.17640	-.03160	1.78220	-.34700	-.33320	.81740	.31090	1.12830	.50650
1.186	6.250	.34190	.18150	-.03620	1.88410	-.34370	-.32340	.82130	.31480	1.13610	.50650
1.188	6.770	.36790	.18700	-.03970	1.96700	-.34400	-.32480	.77890	.31790	1.09690	.46100
1.187	7.300	.39460	.19380	-.04320	2.03580	-.34700	-.32850	.75480	.26350	1.01840	.49130
1.188	7.810	.42070	.19950	-.04550	2.10870	-.34930	-.33140	.68930	.26620	.95550	.42310
1.191	8.340	.44630	.20620	-.04640	2.16430	-.34810	-.32690	.53860	.25200	.79060	.28660
1.187	8.870	.47280	.21420	-.04780	2.20630	-.34990	-.33500	.34890	.21390	.56290	.13490
1.185	9.380	.49720	.22090	-.04830	2.25020	-.35520	-.33780	.25590	.18920	.44510	.06660
1.186	9.900	.51960	.22810	-.04740	2.27770	-.35290	-.33740	.06740	.22060	.28800	-.15320
1.188	10.430	.54400	.23630	-.04780	2.30180	-.35140	-.33180	.02630	.30090	.32730	-.27450
1.184	10.970	.57170	.24730	-.05020	2.31150	-.35720	-.34050	-.16220	.32460	.16240	-.48690
1.186	11.500	.59640	.25740	-.05070	2.31700	-.35780	-.34010	-.28480	.37650	.09170	-.66130
1.184	12.020	.62110	.26820	-.05220	2.31520	-.36240	-.34240	-.37670	.41350	.03670	-.79020
1.180	12.520	.64710	.27960	-.05380	2.31390	-.37050	-.35130	-.42610	.45510	.02890	-.88120
1.181	13.040	.67370	.29230	-.05650	2.30470	-.37210	-.35310	-.49490	.49240	-.00240	-.98740
1.183	13.570	.70200	.30640	-.05900	2.29110	-.37510	-.35740	-.59580	.45980	-.13590	-1.05570
1.187	14.090	.72320	.31870	-.06110	2.26900	-.37380	-.35620	-.64660	.42420	-.22230	-1.07080
1.188	14.590	.74510	.33150	-.06260	2.24740	-.38090	-.35850	-.70060	.42330	-.27730	-1.12390
1.187	15.110	.77000	.34650	-.06470	2.22220	-.38910	-.36670	-.75860	.41840	-.34010	-1.17700
1.188	15.620	.79280	.36080	-.06710	2.19740	-.39290	-.37050	-.85060	.44770	-.40290	-1.29830
1.189	16.140	.81880	.37640	-.06970	2.17510	-.39710	-.37550	-.88960	.42380	-.46580	-1.31350
1.186	16.650	.84240	.39160	-.07150	2.15070	-.40450	-.38330	-.99730	.44510	-.55210	-1.44240
1.186	17.160	.86320	.40630	-.07230	2.12420	-.40250	-.38270	-1.06760	.39760	-.66990	-1.46520
1.185	17.660	.88240	.42060	-.07300	2.09800	-.40750	-.38750	-1.12580	.37730	-.74850	-1.50310
1.187	18.170	.90040	.43590	-.07310	2.06560	-.40940	-.39200	-1.12090	.43520	-.68560	-1.55620
1.187	18.660	.91800	.45040	-.07320	2.03820	-.41600	-.39750	-1.18670	.42250	-.76420	-1.60930
1.188	19.160	.93550	.46500	-.07320	2.01180	-.41400	-.40320	-1.22230	.37170	-.85060	-1.59410
1.188	19.650	.95290	.48040	-.07330	1.98320	-.41730	-.40490	-1.29510	.40520	-.88980	-1.70030
1.189	20.130	.96750	.49560	-.07300	1.95210	-.42440	-.41350	-1.28750	.39760	-.88980	-1.69510
1.184	20.600	.98490	.51210	-.07250	1.92310	-.43410	-.43030	-1.38000	.40370	-.97620	-1.78370
1.183	21.070	.99970	.52780	-.07170	1.89400	-.43770	-.43820	-1.44600	.37550	-1.07040	-1.82160

TABULATED SOURCE DATA, LTV TEST 532, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD009)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 64/ 0 RN/L = 6.48

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.184	21.430	1.00950	.53930	-.07010	1.87170	-.43860	-.44010	-1.46190	.35210	-1.10970	-1.81400

LA67 (LTV 552) ORBITER 49-0

(SFDS09)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPOBRK	=	25.000	RN/L	=	6.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	ALFSMP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1063/ 0 RN/L = 6.07

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.893	-4.030	-.26280	.09140	.04180	-2.87490	-.23600	-.21670	.88490	-.02350	.86130	.90840
.894	-3.800	-.24430	.08880	.03910	-2.74990	-.23250	-.21170	.88470	-.03120	.85340	.91600
.889	-3.530	-.23080	.08800	.03790	-2.62110	-.23970	-.22310	.90790	-.03080	.87700	.93880
.890	-3.160	-.20890	.08570	.03580	-2.43860	-.23750	-.22210	.88870	-.02730	.86130	.91600
.894	-2.700	-.17960	.08250	.03350	-2.17580	-.22880	-.21230	.88040	-.05830	.82200	.93880
.893	-2.170	-.14810	.08070	.03180	-1.83510	-.22800	-.21620	.89190	-.06200	.82990	.95390
.893	-1.620	-.11560	.07910	.02880	-1.46190	-.23040	-.21610	.88840	-.04280	.84560	.93120
.895	-1.070	-.08350	.07770	.02670	-1.07370	-.22550	-.21000	.88870	-.02730	.86130	.91600
.896	-.510	-.05180	.07690	.02460	-.67390	-.22630	-.20710	.91170	-.03460	.87700	.94640
.895	.070	-.01820	.07690	.02310	-.23730	-.22450	-.20820	.88410	-.06980	.81420	.95390
.893	.630	.01280	.07760	.02080	.16540	-.23070	-.21370	.84970	-.05110	.79850	.90090
.894	1.200	.04560	.07810	.01970	.58380	-.23010	-.20710	.86890	-.05470	.81420	.92360
.897	1.760	.07690	.07870	.01810	.97740	-.22170	-.19620	.88790	-.07360	.81420	.96150
.892	2.350	.10620	.08120	.01760	1.30750	-.23000	-.20730	.85750	-.04330	.81420	.90390
.897	2.920	.13550	.08270	.01790	1.63860	-.21960	-.19150	.87690	-.03910	.83770	.91600
.894	3.520	.16310	.08600	.01760	1.89490	-.22290	-.20000	.86540	-.03540	.82990	.90090
.897	4.080	.19070	.08870	.01670	2.14900	-.21710	-.18860	.84970	-.05110	.79850	.90090
.895	4.660	.21780	.09290	.01590	2.34330	-.22220	-.19520	.84980	-.04340	.80630	.89330
.894	5.250	.24680	.09770	.01480	2.52490	-.22170	-.19660	.85770	-.03560	.82200	.89330
.896	5.830	.27380	.10210	.01440	2.67960	-.21640	-.19250	.83790	-.06290	.77490	.90090
.897	6.430	.30250	.10790	.01330	2.80210	-.21710	-.19100	.86580	-.01230	.85340	.87810
.897	7.010	.32960	.11430	.01230	2.88220	-.21730	-.19080	.80430	.00200	.80630	.80230
.901	7.600	.35620	.12110	.01220	2.93980	-.21280	-.18750	.73120	.01230	.74350	.71880
.898	8.170	.38340	.12900	.01120	2.97030	-.22190	-.19130	.71590	.01970	.73560	.69610
.899	8.770	.40900	.13670	.01190	2.99080	-.22080	-.19150	.67380	.03830	.71210	.63540
.900	9.370	.43320	.14510	.01140	2.98520	-.22060	-.19480	.70450	.03110	.73560	.67330
.899	9.950	.46130	.15490	.01040	2.97840	-.22800	-.19540	.63490	.02220	.65710	.61270
.904	10.570	.48700	.16480	.01020	2.95390	-.22320	-.19320	.57670	.00190	.57860	.57480
.903	11.170	.51510	.17610	.00910	2.92420	-.22600	-.19930	.50350	.01220	.51580	.49130
.903	11.780	.54130	.18770	.00770	2.88290	-.23080	-.20540	.37990	.00230	.38230	.37760
.901	12.360	.56830	.20020	.00600	2.83750	-.24210	-.21030	.24830	-.02300	.22520	.27140
.905	12.980	.58960	.21220	.00320	2.77790	-.23910	-.21140	.15200	-.01310	.13880	.16520
.900	13.570	.62070	.22160	.00150	2.72720	-.25480	-.22200	.06030	.03920	.09960	.02110
.903	14.180	.64320	.24070	-.00060	2.67160	-.25470	-.22600	.01430	.05380	.06810	-.03940
.900	14.790	.67550	.25800	-.00220	2.61770	-.26530	-.23200	-.07790	.06760	-.01030	-.14560
.902	15.410	.70210	.27340	-.00400	2.56790	-.26640	-.23870	-.10380	.13270	.02890	-.23660
.903	16.010	.72630	.28810	-.00440	2.52030	-.27150	-.24640	-.18070	.14680	-.03380	-.32760
.900	16.610	.75650	.30660	-.00610	2.46740	-.28060	-.25620	-.20770	.15020	-.05740	-.35100
.901	17.200	.78030	.32180	-.00610	2.42450	-.28610	-.26150	-.29660	.13710	-.15950	-.43380
.898	17.780	.80820	.34040	-.00610	2.37380	-.29640	-.27380	-.29330	.11020	-.18300	-.40350
.896	18.330	.83040	.35670	-.00670	2.32750	-.30430	-.28050	-.33510	.14410	-.19090	-.47930
.898	18.840	.84390	.36960	-.00580	2.28280	-.30450	-.28860	-.31150	.16770	-.14380	-.47930

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD509)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSNP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1063/ 0 RN/L = 6.07

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.893	19.240	.86030	.38300	-.00340	2.24640	-.32000	-.29910	-.37380	.13580	-.23800	-.50960
.892	19.550	.87040	.39200	-.00220	2.22020	-.32400	-.30690	-.35040	.15160	-.19070	-.50200
.895	19.830	.87390	.39630	-.00070	2.20480	-.31510	-.30700	-.34230	.17490	-.16730	-.51720

LA67 (LTV 552) ORBITER 49-0

(SFD509)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	2.000
BDCLAP =	.000	RUDDER =	.000

RUN NO. 1064/ 0 RN/L = 6.48

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.188	.060	-.01280	.14850	.03300	-.08670	-.33900	-.35520	.76200	.23270	.99480	.52930
1.189	.360	.00860	.14780	.02760	-.05840	-.34140	-.35070	.76230	.24820	1.01050	.51410
1.186	.670	.02600	.14860	.02350	.17530	-.34100	-.35200	.71500	.19330	.90840	.52170
1.187	1.070	.05020	.14910	.01860	.33650	-.33890	-.34370	.66490	.19630	.86130	.46860
1.188	1.560	.07930	.14980	.01310	.52950	-.33710	-.33720	.61160	.23400	.84560	.37760
1.189	2.090	.11180	.15090	.00640	.74130	-.33810	-.32950	.50380	.24750	.75140	.25620
1.188	2.660	.14380	.15360	.00090	.93640	-.33670	-.32600	.40360	.25350	.65710	.15010
1.187	3.220	.17560	.15600	-.00480	1.12590	-.33950	-.32550	.26170	.30120	.56290	-.03940
1.190	3.800	.20700	.15970	-.01040	1.29590	-.33660	-.31920	.03870	.34360	.38230	-.30490
1.191	4.370	.23670	.16360	-.01570	1.44660	-.33750	-.31810	-.08870	.33750	.24880	-.42620
1.194	4.940	.26720	.16760	-.02060	1.59390	-.33630	-.31520	-.19580	.38960	.19380	-.58550
1.188	5.520	.29920	.17330	-.02610	1.72650	-.34190	-.32680	-.33090	.38340	.05240	-.71440
1.190	6.090	.32890	.17850	-.03070	1.84230	-.34430	-.3190	-.39240	.39780	.00530	-.79020
1.189	6.680	.35920	.18500	-.03460	1.94070	-.34470	-.33090	-.48190	.35380	-.12810	-.83570
1.192	7.280	.38840	.19170	-.03690	2.02630	-.34110	-.32740	-.52430	.35690	-.16730	-.88120
1.192	7.850	.41720	.19800	-.03980	2.10720	-.34700	-.32990	-.58170	.38290	-.13880	-.96470
1.193	8.460	.44730	.20620	-.04130	2.16870	-.34480	-.32860	-.67470	.35810	-.31660	-.103290
1.193	9.060	.47650	.21450	-.04230	2.22100	-.34700	-.32900	-.72520	.33800	-.38720	-.106320
1.192	9.660	.50530	.22350	-.04330	2.26070	-.34810	-.33370	-.85670	.32020	-.53640	-.117700
1.191	10.270	.53340	.23300	-.04440	2.28910	-.35110	-.33550	-.93780	.31500	-.62280	-.125280
1.189	10.870	.56390	.24410	-.04630	2.31030	-.35480	-.33940	-1.00730	.31380	-.69350	-.132110
1.190	11.470	.59490	.25550	-.04840	2.32790	-.35900	-.34270	-1.09910	.35840	-.74060	-.145760
1.189	12.090	.62470	.26890	-.05090	2.32330	-.36150	-.34480	-1.14600	.32680	-.81920	-.147280
1.188	12.690	.65710	.28310	-.05320	2.32070	-.36870	-.35210	-1.21850	.36790	-.85060	-.158650
1.189	13.310	.68660	.29820	-.05590	2.30210	-.37230	-.35520	-1.23830	.34060	-.89770	-.157890
1.194	13.930	.71590	.31350	-.05850	2.28290	-.37450	-.35250	-1.31140	.35090	-.96050	-.166240
1.193	14.530	.74460	.32940	-.06220	2.26040	-.38450	-.36430	-1.31550	.33920	-.97620	-.165480
1.198	15.140	.77120	.34590	-.06450	2.22890	-.38580	-.36070	-1.35750	.36550	-.99190	-.172300
1.195	15.760	.79990	.36350	-.06770	2.20010	-.39520	-.37560	-1.39250	.34560	-1.04690	-.173820
1.196	16.370	.82790	.38160	-.07050	2.16950	-.39900	-.38180	-1.41220	.32600	-1.08610	-.173820
1.193	16.990	.85490	.40030	-.07240	2.13520	-.40330	-.38850	-1.43150	.32180	-1.10970	-.175340
1.194	17.600	.87980	.41790	-.07330	2.10490	-.40540	-.39350	-1.47730	.35190	-1.12540	-.182920
1.196	18.200	.89940	.43470	-.07360	2.06900	-.40940	-.39320	-1.43840	.36800	-1.07040	-.180650
1.193	18.810	.92290	.45400	-.07340	2.03260	-.41720	-.40390	-1.42710	.35660	-1.07040	-.178370
1.190	19.420	.94670	.47490	-.07360	1.99340	-.42170	-.41510	-1.46580	.34820	-1.11760	-.181400
1.189	19.990	.96640	.49300	-.07280	1.96010	-.42720	-.42260	-1.51590	.35120	-1.16470	-.186710
1.190	20.500	.98290	.50970	-.07260	1.92830	-.43060	-.42560	-1.50400	.37070	-1.13330	-.187470
1.189	20.940	.99490	.52330	-.07080	1.90120	-.43620	-.42980	-1.51140	.38600	-1.12540	-.189750
1.185	21.260	1.00490	.53380	-.07070	1.88220	-.44260	-.43920	-1.51620	.33570	-1.18040	-.185200
1.185	21.570	1.01250	.54280	-.06940	1.86520	-.44230	-.44090	-1.48480	.36720	-1.11760	-.185200

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD010)

PARAMETRIC DATA

ELEVON *	.000	AILRON *	.000
SPOGRK *	25.000	RN/L *	5.000
GRITNO *	120.000	RCSP05 *	.000
BETA *	-2.000	ALFSWP *	1.000
BOFLAP *	.000	RUDDER *	.000

RUN NO. 42/ 0 RN/L = 5.09

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.602	-3.740	-.21100	.06890	.02950	-3.06010	-.19600	-.18150	.14460	-.21780	-.07310	.36240
.603	-2.860	-.17190	.06650	.02940	-2.58430	-.19450	-.17980	.16040	-.19430	-.03380	.35480
.605	-2.040	-.13560	.06420	.02890	-2.11130	-.19280	-.17450	.12520	-.22200	-.09670	.34720
.605	-1.300	-.09930	.06290	.03000	-1.57680	-.18810	-.17460	.14530	-.17920	-.03380	.32450
.606	-.550	-.06640	.06130	.02860	-1.08210	-.18480	-.16930	.11400	-.20290	-.08880	.31690
.606	.220	-.02890	.06050	.02900	-.47880	-.18480	-.16610	.12900	-.22570	-.09670	.35480
.605	.980	.00340	.06100	.02960	.05650	-.19090	-.17130	.12550	-.20650	-.08100	.33210
.605	1.750	.04040	.06090	.02840	.66340	-.18940	-.17140	.12540	-.21420	-.08880	.33970
.605	2.500	.07670	.06170	.02750	1.24360	-.18820	-.16980	.12930	-.21030	-.08100	.33970
.604	3.250	.10880	.06200	.02620	1.75360	-.18220	-.16460	.12250	-.15640	-.03380	.27900
.603	4.030	.14740	.06420	.02670	2.29560	-.18680	-.16600	.13340	-.19870	-.06530	.33210
.603	4.790	.18310	.06590	.02470	2.77830	-.18670	-.16470	.09900	-.18000	-.08100	.27900
.603	5.550	.22140	.06820	.02380	3.24230	-.18330	-.15800	.14570	-.15600	-.01030	.30170
.601	6.330	.25940	.07200	.02330	3.60070	-.18970	-.16210	.11010	-.20680	-.09670	.31690
.601	7.080	.29530	.07500	.02200	3.93280	-.18450	-.15300	.11430	-.18740	-.07310	.30170
.602	7.840	.33360	.07980	.02120	4.18120	-.18510	-.15130	.13020	-.15630	-.02600	.28660
.602	8.610	.37300	.08520	.01970	4.37800	-.18730	-.15120	.07660	-.13410	-.05740	.21070
.602	9.360	.41030	.09160	.02040	4.47730	-.18870	-.14950	.10700	-.18440	-.05740	.27140
.603	10.130	.44680	.09880	.01990	4.52100	-.18960	-.15060	.09250	-.11060	-.01810	.20310
.604	10.890	.48820	.10740	.02200	4.54460	-.18770	-.15080	.11530	-.12570	-.01030	.24110
.604	11.640	.52840	.11770	.02300	4.48920	-.18930	-.15060	.11910	-.12950	-.01030	.24860
.605	12.420	.56890	.13080	.02160	4.34740	-.19160	-.15270	.04990	-.11520	-.06530	.16520
.603	13.170	.60950	.14790	.02030	4.11990	-.19180	-.15260	.04970	-.13070	-.08100	.18040
.603	13.940	.64530	.16570	.01900	3.89330	-.19380	-.15460	.08490	-.10310	-.01810	.18800
.600	14.670	.67910	.18450	.01760	3.67960	-.20410	-.16660	.04630	-.10370	-.05740	.15010
.600	15.420	.71260	.20430	.01430	3.48710	-.20340	-.16330	.03150	-.06540	-.03380	.09700
.600	16.170	.75600	.22980	.01060	3.28920	-.20990	-.17070	-.02280	-.08950	-.11240	.06660
.600	16.910	.79370	.25320	.00740	3.13350	-.21540	-.17530	-.03070	-.09740	-.12810	.06660
.601	17.660	.82500	.27640	.00430	2.98390	-.22300	-.18770	-.04500	-.03590	-.08100	-.00910
.601	18.380	.85780	.29950	.00580	2.86330	-.22830	-.19470	-.11900	-.07190	-.19090	-.04700
.599	19.090	.88450	.32330	.00410	2.73580	-.24520	-.21080	-.28130	-.05020	-.37150	-.19110
.600	19.800	.92540	.34930	.00070	2.64940	-.23950	-.21480	-.36960	-.06470	-.43440	-.30490
.600	20.450	.96250	.37430	-.00270	2.57120	-.24570	-.22230	-.43540	-.07740	-.51290	-.35800
.601	20.830	.98390	.38920	-.00420	2.52790	-.24840	-.23000	-.43500	-.05430	-.48930	-.38070

LA67 (LTV 552) ORBITER 49-0

(SF0010)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSP05	=	.000
BETA	=	-2.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 49/ 0 RN/L = 5.29

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.803	-.020	-.04990	.06580	.03590	-.75890	-.20060	-.18010	-.04170	-.51040	-.55210	.46860
.796	.310	-.03080	.06620	.03550	-.46580	-.20730	-.19200	-.03810	-.52190	-.56000	.48370
.800	.900	-.00270	.06550	.03510	-.04170	-.20070	-.18600	-.02170	-.46760	-.48930	.44580
.802	1.530	.02750	.06560	.03350	.42060	-.19740	-.18390	-.04930	-.50280	-.55210	.45340
.798	2.110	.05380	.06670	.03390	.80750	-.20570	-.18250	-.01830	-.49450	-.51290	.47620
.798	2.620	.08240	.06710	.03330	1.22810	-.20590	-.19250	-.00460	-.50180	-.49720	.50650
.804	3.150	.11030	.06810	.03190	1.61980	-.20270	-.17410	-.01400	-.46740	-.48150	.45340
.806	3.670	.14060	.06920	.03120	2.03180	-.19720	-.17600	.01210	-.51710	-.50500	.52930
.806	4.200	.16530	.07070	.02920	2.33630	-.19650	-.18000	.00830	-.51330	-.50500	.52170
.802	4.760	.19700	.07390	.03010	2.66450	-.20290	-.17590	.01990	-.50930	-.48930	.52930
.808	5.280	.22020	.07530	.02590	2.92150	-.19590	-.16520	-.01780	-.46360	-.48150	.44580
.804	5.820	.25080	.07990	.02430	3.13790	-.19950	-.17170	-.00690	-.50590	-.51290	.49890
.800	6.340	.28540	.08440	.02280	3.38080	-.20490	-.18370	.03970	-.48190	-.44220	.52170
.799	6.870	.31230	.08960	.02090	3.48470	-.20610	-.18490	.00830	-.51330	-.50500	.52170
.805	7.410	.33870	.09400	.01950	3.60070	-.19500	-.17060	-.02210	-.49070	-.51290	.46860
.800	7.910	.36060	.09980	.01790	3.61150	-.21040	-.17760	.00550	-.44780	-.44220	.45340
.800	8.450	.38350	.10620	.01790	3.60950	-.20520	-.17430	.02100	-.44750	-.42650	.46860
.802	8.980	.41020	.11310	.01740	3.62610	-.20230	-.17160	-.01330	-.42880	-.44220	.41550
.803	9.520	.43110	.11990	.01800	3.59270	-.20200	-.17640	-.03710	-.46780	-.50500	.43070
.803	10.050	.45660	.12890	.01840	3.54020	-.20600	-.17520	-.02850	-.41370	-.44220	.38520
.802	10.560	.47660	.13730	.02020	3.47040	-.20490	-.16760	-.04110	-.47180	-.51290	.43070
.800	11.080	.49640	.14660	.01930	3.38400	-.21200	-.18100	-.01740	-.44050	-.45790	.42310
.800	11.630	.52560	.15770	.02040	3.33330	-.22280	-.18640	-.10190	-.41880	-.52070	.31690
.800	12.130	.54540	.16670	.01930	3.27020	-.21400	-.17500	-.09060	-.43790	-.52860	.34720
.799	12.680	.57170	.17910	.01980	3.19240	-.22770	-.19020	-.16370	-.42760	-.59140	.26380
.799	13.200	.59680	.19120	.01750	3.12000	-.23070	-.19410	-.14710	-.35790	-.50500	.21070
.799	13.710	.62160	.20370	.01400	3.05050	-.23660	-.20160	-.17120	-.41230	-.58360	.24110
.800	14.240	.65150	.21850	.00890	2.96070	-.23650	-.20170	-.19790	-.39350	-.59140	.19560
.795	14.740	.68560	.23550	.00370	2.91020	-.24770	-.21870	-.20410	-.30870	-.51290	.10460
.800	15.280	.70750	.24890	-.00020	2.84170	-.24430	-.21370	-.25930	-.37910	-.63850	.11970
.795	15.780	.74510	.26800	-.00290	2.77960	-.24980	-.21950	-.28630	-.37570	-.66210	.08940
.794	16.290	.76630	.28210	-.00410	2.71570	-.26000	-.22960	-.36010	-.40400	-.76420	.04390
.794	16.800	.78590	.29530	-.00440	2.66130	-.26330	-.23840	-.39860	-.39700	-.79560	-.00150
.798	17.330	.80350	.30840	-.00590	2.60510	-.26090	-.23790	-.46000	-.38260	-.84270	-.07740
.798	17.840	.82040	.32250	-.00460	2.54370	-.26780	-.24720	-.53720	-.38400	-.92120	-.15320
.797	18.340	.84750	.34060	-.00480	2.48780	-.27280	-.24920	-.62250	-.40860	-1.03120	-.21390
.794	18.830	.87410	.35740	-.00410	2.44520	-.28190	-.25920	-.68780	-.39050	-1.07830	-.29730
.797	19.310	.88540	.36940	-.00370	2.39680	-.27840	-.25640	-.74940	-.38380	-1.13330	-.36550
.795	19.790	.90610	.38570	-.00150	2.34890	-.29130	-.27170	-.77620	-.37270	-1.14900	-.40350
.797	20.200	.91100	.39500	.00150	2.30590	-.28690	-.27350	-.76850	-.37260	-1.14110	-.39590
.797	20.430	.91790	.40270	.00190	2.27930	-.29310	-.28630	-.75980	-.31840	-1.07830	-.44140

TABULATED SOURCE DATA. LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD011)

PARAMETRIC DATA

ELEVON = .000 AILRON = .000
SPDRK = 25.000 RN/L = 6.000
GRITNO = 120.000 RCSPS = .000
BETA = -2.000 ALFSHP = 1.000
BDFLAP = .000 RUDDER = .000

RUN NO. 50/ 0 RN/L = 6.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.890	-.010	-.03650	.07860	.03040	-.46400	-.23430	-.22230	.15900	-.49910	-.34010	.65820
.892	.340	-.01870	.07800	.02860	-.24020	-.22870	-.21270	.13240	-.47260	-.34010	.60510
.891	.940	.01880	.07760	.02740	.24240	-.23340	-.21350	.17900	-.45640	-.27730	.63540
.894	1.590	.05600	.07850	.02420	.71350	-.22400	-.20090	.15520	-.49540	-.34010	.65060
.895	2.150	.08910	.07980	.02180	1.11580	-.22600	-.20210	.17480	-.47570	-.30080	.65060
.894	2.700	.12000	.08320	.01840	1.44270	-.22420	-.20340	.13980	-.49560	-.35580	.63540
.891	3.210	.14810	.08570	.01720	1.72710	-.23260	-.21040	.19040	-.46770	-.27730	.65820
.895	3.760	.17890	.08840	.01690	2.02420	-.22160	-.20390	.15940	-.47600	-.31660	.63540
.892	4.290	.20480	.09160	.01770	2.23600	-.23050	-.20570	.17090	-.47960	-.30870	.65060
.890	4.820	.22880	.09470	.01670	2.41500	-.23180	-.20360	.19800	-.47530	-.27730	.67330
.891	5.380	.25290	.09850	.01940	2.56670	-.22210	-.19980	.17440	-.49890	-.32440	.67330
.892	5.900	.27790	.10370	.01940	2.67960	-.22690	-.19910	.19410	-.47920	-.28510	.67330
.895	6.450	.30330	.10900	.01810	2.78200	-.22240	-.19540	.19850	-.44440	-.24590	.64300
.893	6.980	.32560	.11460	.01650	2.84140	-.22500	-.19670	.20570	-.47520	-.26940	.68090
.892	7.520	.35080	.12000	.01710	2.92200	-.22920	-.19850	.17810	-.51040	-.33230	.68850
.894	8.060	.37470	.12650	.01620	2.96100	-.22210	-.19610	.15940	-.47600	-.31660	.63540
.895	8.590	.39820	.13300	.01620	2.99310	-.22400	-.19230	.12820	-.49200	-.36370	.62030
.894	9.110	.41650	.14010	.01700	2.97290	-.22640	-.19200	.18690	-.44850	-.26160	.63540
.894	9.640	.43640	.14690	.01680	2.97010	-.22700	-.19440	.19800	-.47530	-.27730	.67330
.891	10.180	.46460	.15610	.01700	2.97590	-.23290	-.20000	.14810	-.45690	-.30870	.60510
.892	10.710	.48280	.16470	.01500	2.92990	-.23670	-.20370	.17540	-.44480	-.26940	.62030
.892	11.260	.50810	.17480	.01450	2.90630	-.23020	-.20400	.12130	-.44580	-.32440	.56720
.890	11.770	.53370	.18490	.01350	2.88620	-.23770	-.20920	.14150	-.39530	-.25370	.53680
.892	12.310	.55160	.19460	.01070	2.83410	-.23740	-.21070	.14150	-.39530	-.25370	.53680
.891	12.850	.58050	.20790	.00890	2.79130	-.24400	-.21960	.11480	-.37650	-.26160	.49130
.893	13.370	.60330	.21930	.00670	2.75060	-.24680	-.21610	.04940	-.36600	-.31660	.41550
.890	13.880	.62800	.23170	.00220	2.71040	-.25730	-.22430	.01650	-.26240	-.24590	.27900
.890	14.420	.64740	.24400	.00030	2.65300	-.25450	-.23290	-.02250	-.29400	-.31660	.27140
.892	14.940	.67240	.25690	-.00170	2.61720	-.26200	-.23290	-.14200	-.28450	-.42650	.14250
.890	15.460	.69620	.27060	-.00120	2.57190	-.26880	-.24460	-.15700	-.26160	-.41860	.10460
.892	15.980	.71490	.28250	-.00300	2.53020	-.27150	-.24570	-.23440	-.27840	-.51290	.04390
.890	16.500	.73690	.29580	-.00230	2.49120	-.27760	-.25090	-.33510	-.29560	-.63070	-.03940
.889	17.040	.76290	.31200	-.00160	2.44470	-.27590	-.25600	-.47780	-.29420	-.77200	-.18350
.887	17.560	.78760	.32800	-.00110	2.40110	-.28780	-.26650	-.58980	-.30000	-.88980	-.28970
.889	18.050	.80370	.34050	-.00170	2.36020	-.29630	-.26790	-.64000	-.30470	-.94480	-.33520
.890	18.560	.82050	.35480	-.00100	2.31210	-.30250	-.27910	-.72190	-.35630	-1.07830	-.36550
.887	19.070	.84610	.37310	.00110	2.26790	-.31380	-.29560	-.79530	-.36150	-1.15680	-.43380
.891	19.560	.86750	.38530	.00220	2.22540	-.31250	-.29500	-.81890	-.38500	-1.20390	-.43380
.886	20.020	.88260	.40370	.00510	2.18590	-.33260	-.31340	-.85640	-.32400	-1.18040	-.53240
.887	20.370	.88800	.41250	.00730	2.15290	-.34010	-.32680	-.83340	-.33130	-1.16470	-.50200

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-D

(SF0011)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	25.000	RN/L	=	6.000
GRITNO	=	120.000	RCSPDS	=	.000
BETA	=	-2.000	ALFSMP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 52/ 0 RN/L = 6.45

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.181	-4.070	-.27490	.16770	.09700	-1.63880	-.34280	-.39240	.61750	-.53360	.08390	1.15110
1.179	-3.720	-.25730	.16470	.09210	-1.55970	-.34410	-.39270	.61780	-.51820	.09960	1.13600
1.181	-3.110	-.21580	.15970	.08240	-1.35750	-.34120	-.38430	.65270	-.50600	.14670	1.15870
1.183	-2.510	-.17830	.15560	.07240	-1.14610	-.34030	-.37660	.67270	-.46320	.20950	1.13600
1.181	-1.960	-.14360	.15280	.06350	-.94030	-.33950	-.37830	.66110	-.46720	.19380	1.12840
1.187	-1.450	-.11100	.15040	.05590	-.73840	-.33550	-.36530	.66550	-.43240	.23310	1.09800
1.187	-.940	-.08060	.14900	.04900	-.54120	-.33490	-.36420	.70060	-.41250	.28800	1.11320
1.182	-.410	-.04900	.14840	.04110	-.33050	-.34070	-.36750	.64690	-.39800	.24880	1.04490
1.187	.080	-.01510	.14770	.03340	-.10240	-.33330	-.36480	.66970	-.41310	.25660	1.08290
1.184	.600	.01420	.14820	.02630	.09640	-.33640	-.36550	.63530	-.39440	.24090	1.02980
1.187	1.120	.04700	.14990	.01990	.31590	-.33530	-.35920	.65840	-.40170	.25660	1.08010
1.186	1.650	.07910	.15050	.01400	.52550	-.33560	-.35890	.67070	-.35900	.31160	1.02980
1.186	2.170	.11110	.15250	.00730	.72840	-.33580	-.35910	.61990	-.39470	.22520	1.01460
1.185	2.690	.13860	.15460	.00140	.89700	-.33780	-.35580	.60140	-.35250	.24880	.95390
1.183	3.200	.17210	.15770	-.00340	1.09100	-.33750	-.35560	.59650	-.41050	.18590	1.00700
1.181	3.730	.20150	.16100	-.00860	1.25110	-.34110	-.35410	.58100	-.41080	.17020	.99190
1.184	4.240	.22830	.16420	-.01520	1.39020	-.33860	-.34720	.55450	-.38420	.17020	.93880
1.178	4.780	.25910	.16890	-.01940	1.53360	-.34880	-.34510	.58590	-.35280	.23310	.93880
1.181	5.290	.28720	.17340	-.02410	1.65620	-.34760	-.34510	.53160	-.36920	.16240	.90090
1.186	5.800	.31440	.17800	-.03020	1.76620	-.34430	-.34040	.51620	-.36950	.14670	.89570
1.183	6.330	.34360	.18410	-.03470	1.86590	-.35180	-.34060	.50100	-.35430	.14670	.85540
1.190	6.840	.36660	.18930	-.03790	1.93610	-.34520	-.33860	.43240	-.30920	.12310	.74160
1.183	7.380	.39870	.19690	-.04080	2.02420	-.35620	-.34260	.44060	-.27820	.16240	.71880
1.183	7.890	.42130	.20290	-.04320	2.07600	-.35460	-.34440	.35620	-.24880	.10740	.60610
1.181	8.400	.44640	.20960	-.04380	2.13010	-.35580	-.34850	.29120	-.21520	.07600	.50650
1.176	8.940	.47610	.21780	-.04530	2.18570	-.36470	-.35270	.29230	-.15350	.13880	.44580
1.178	9.450	.49970	.22470	-.04670	2.22360	-.36160	-.35710	.22310	-.13920	.08390	.36240
1.184	9.960	.52180	.23180	-.04890	2.25030	-.35710	-.35190	.16580	-.10550	.06030	.27140
1.181	10.490	.54870	.24100	-.04850	2.27660	-.36130	-.35760	-.02320	-.11270	-.13590	.08940
1.180	11.020	.57270	.25050	-.04970	2.28550	-.36510	-.35430	-.16960	-.09980	-.26940	-.06980
1.180	11.530	.59690	.25990	-.05110	2.29660	-.36460	-.35750	-.32480	-.14880	-.47360	-.17590
1.180	12.050	.62380	.27120	-.05220	2.30020	-.36650	-.36080	-.49130	-.18640	-.67780	-.30490
1.183	12.560	.64830	.28210	-.05400	2.29810	-.36600	-.35930	-.61100	-.19240	-.80340	-.41860
1.183	13.090	.67050	.29410	-.05520	2.27940	-.37030	-.35730	-.69910	-.15150	-.85060	-.54750
1.187	13.590	.69440	.30620	-.05720	2.26730	-.36930	-.36130	-.81900	-.17280	-.99190	-.64610
1.182	14.130	.72130	.32150	-.05890	2.24350	-.38080	-.36910	-.95000	-.15970	-1.10970	-.79020
1.180	14.640	.74510	.33540	-.06210	2.22150	-.38650	-.38160	-.98830	-.14490	-1.13330	-.84330
1.183	15.130	.76820	.34850	-.06370	2.20440	-.39700	-.38400	-1.08200	-.20830	-1.29030	-.87370
1.174	15.640	.79490	.36440	-.06790	2.18090	-.39780	-.39780	-1.12030	-.19350	-1.31390	-.92670
1.176	16.150	.81600	.37860	-.06890	2.15520	-.39940	-.39450	-1.20580	-.22590	-1.43170	-.97980
1.176	16.670	.84060	.39380	-.07000	2.13400	-.40420	-.40180	-1.30310	-.27770	-1.58090	-1.02530
1.186	17.150	.85720	.40620	-.07300	2.11010	-.39550	-.40130	-1.43200	-.36870	-1.80080	-1.06320

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0011)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	-2.000	ALFSMP =	1.000
BDFLAP =	.000	RUDDER =	.000

		RUN NO.	52/ 0	RN/L = 6.45									
MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R		
1.187	17.670	.87730	.42110	-.07360	2.08300	-.39960	-.40280	-1.51700	-.37790	-1.89500	-1.13910		
1.182	18.170	.89720	.43640	-.07310	2.05600	-.40760	-.40900	-1.55960	-.38250	-1.94210	-1.17700		
1.178	18.670	.91770	.45190	-.07190	2.03060	-.41400	-.41660	-1.60260	-.41800	-2.02060	-1.18460		
1.181	19.140	.93130	.46520	-.07110	2.00170	-.41410	-.41740	-1.65710	-.44210	-2.09920	-1.21490		
1.178	19.630	.94800	.48040	-.07010	1.97310	-.42210	-.42680	-1.69600	-.46590	-2.16200	-1.23010		
1.180	20.070	.96130	.49380	-.06980	1.94670	-.42330	-.43170	-1.70770	-.47000	-2.17770	-1.23770		
1.173	20.450	.97740	.50770	-.06860	1.92510	-.43140	-.45190	-1.79330	-.51000	-2.30340	-1.28320		

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0012)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	-2.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 44/ 0 RN/L = 7.69

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.614	-4.090	-.22230	.06760	.02970	-3.28450	-.16370	-.15140	.20220	-.23600	-.03390	.43820
.613	-3.280	-.18890	.06540	.02900	-2.88550	-.16130	-.14810	.23330	-.22010	.01320	.45340
.614	-2.400	-.14720	.06230	.02880	-2.35920	-.16170	-.14690	.21030	-.21280	-.00240	.42310
.614	-1.610	-.11290	.06090	.02820	-1.85200	-.16510	-.14720	.26050	-.20800	.05240	.46860
.612	-.840	-.07620	.05960	.02810	-1.27880	-.16580	-.14530	.24480	-.22370	.02100	.46860
.612	-.060	-.04280	.05890	.02730	-.72600	-.16610	-.14530	.26050	-.20800	.05240	.46860
.611	.720	-.00400	.05860	.02740	-.06830	-.16750	-.14530	.25690	-.19650	.06030	.45340
.611	1.500	.02950	.05890	.02670	.50200	-.16740	-.14360	.24910	-.19660	.05240	.44580
.612	2.300	.06790	.05880	.02620	1.15290	-.16550	-.14300	.23780	-.18530	.05240	.42310
.612	3.080	.10400	.05980	.02510	1.73960	-.16610	-.14150	.23330	-.22010	.01320	.45340
.611	3.840	.14040	.06150	.02480	2.28190	-.16440	-.13870	.23400	-.18150	.05240	.41550
.612	4.630	.17510	.06330	.02400	2.76500	-.16600	-.13920	.22270	-.16240	.06030	.38520
.613	5.420	.21340	.06570	.02400	3.24720	-.16680	-.13800	.23060	-.15450	.07600	.38520
.612	6.200	.25140	.06930	.02330	3.62560	-.16400	-.13020	.23000	-.18540	.04460	.41550
.613	7.000	.28740	.07270	.02190	3.95190	-.16660	-.12910	.21430	-.20110	.01320	.41550
.613	7.780	.32580	.07730	.02030	4.21200	-.16700	-.12770	.21840	-.18950	.02890	.40790
.613	8.570	.36390	.08270	.01920	4.39930	-.16630	-.12710	.21500	-.16250	.05240	.37760
.612	9.360	.40490	.08920	.01870	4.53720	-.16690	-.12560	.18470	-.13220	.05240	.31690
.612	10.140	.44160	.09620	.01830	4.58910	-.16590	-.12260	.19190	-.16230	.02890	.35480
.612	10.910	.48090	.10480	.01980	4.50760	-.16980	-.12640	.17720	-.11690	.06030	.29420
.611	11.690	.51960	.11420	.02080	4.54690	-.16930	-.12610	.18480	-.12450	.06030	.30930
.612	12.490	.55960	.12660	.01990	4.41960	-.16950	-.12670	.18170	-.08210	.09960	.26380
.611	13.250	.59910	.14180	.01960	4.22480	-.17110	-.12650	.13940	-.07120	.06810	.21070
.610	14.030	.63200	.15850	.01900	3.98550	-.17680	-.13160	.05530	-.02640	.02890	.08180
.610	14.800	.66950	.17830	.01850	3.75310	-.18120	-.13460	.04020	-.01120	.02890	.05150
.609	15.570	.70020	.19840	.01750	3.52960	-.18650	-.14000	-.08660	.01350	-.07310	-.10010
.610	16.330	.73540	.22070	.01660	3.33080	-.19150	-.14330	-.18710	.00400	-.18310	-.19110
.609	17.080	.76760	.24380	.01440	3.14800	-.19710	-.14870	-.38760	.00820	-.37940	-.39590
.610	17.840	.80190	.26880	.01110	2.98250	-.20620	-.16070	-.50010	-.02840	-.52860	-.47170
.609	18.590	.83900	.29430	.00870	2.85020	-.21300	-.17000	-.61090	.03520	-.57570	-.64610
.611	19.360	.88170	.32160	.00530	2.74110	-.21960	-.17920	-.66050	.06900	-.59140	-.72960
.610	20.070	.92870	.34990	.00110	2.65380	-.22260	-.18680	-.73330	.09480	-.63850	-.82810
.609	20.760	.96170	.37450	-.00220	2.56750	-.22570	-.19630	-.75570	.14070	-.61500	-.89640
.610	21.220	.98130	.35100	-.00320	2.50950	-.23040	-.20280	-.81740	.13960	-.67780	-.95710

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD013)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 46/ 0 RN/L = 10.12

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.617	-.070	-.03910	.05900	.02630	-.66280	-.17200	-.14900	.23100	-.13140	.09960	.36240
.617	.640	-.00720	.05850	.02610	-.12360	-.17490	-.14960	.23420	-.16600	.06810	.40030
.618	1.270	.02100	.05850	.02530	.35970	-.17100	-.14720	.24570	-.16970	.07600	.41550
.618	1.850	.04990	.05900	.02530	.84680	-.17110	-.14700	.23450	-.15060	.08390	.38520
.617	2.400	.07460	.05960	.02510	1.25190	-.17070	-.14980	.24290	-.11190	.13100	.35480
.619	2.900	.09710	.05980	.02360	1.62310	-.16540	-.14070	.24990	-.15030	.09960	.40030
.617	3.430	.12230	.06080	.02330	2.01150	-.16440	-.13740	.23820	-.16210	.07600	.40030
.616	3.950	.14720	.06210	.02330	2.37090	-.16610	-.14420	.26200	-.12310	.13880	.38520
.615	4.490	.17110	.06310	.02230	2.71100	-.16560	-.14470	.25820	-.11930	.13880	.37760
.615	5.030	.19740	.06430	.02200	3.06900	-.16500	-.13630	.23880	-.12350	.11530	.36240
.614	5.570	.26260	.06610	.02200	3.36450	-.15940	-.13440	.27030	-.09210	.17810	.36240
.613	6.090	.24390	.06920	.02100	3.60520	-.16290	-.13320	.22720	-.12760	.09960	.35480
.613	6.620	.27320	.07040	.02130	3.88000	-.16080	-.13140	.21990	-.10460	.11530	.32450
.611	7.140	.29050	.07360	.02030	4.05350	-.16170	-.12590	.26650	-.08830	.17810	.35480
.610	7.660	.32510	.07690	.01960	4.22450	-.16340	-.12740	.24680	-.10800	.13880	.35480
.610	8.190	.35090	.08020	.01900	4.37100	-.16100	-.12070	.23150	-.10050	.13100	.33210
.610	8.740	.37550	.08340	.01910	4.49880	-.15880	-.11870	.19710	-.08180	.11530	.27900
.608	9.250	.40050	.08790	.01840	4.55360	-.16330	-.12110	.20900	-.06230	.14670	.27140
.609	9.770	.42680	.09190	.01870	4.64160	-.16480	-.12110	.20160	-.04700	.15450	.24860
.610	10.320	.45110	.09720	.01850	4.63840	-.16090	-.12060	.24090	-.00770	.23310	.24860
.609	10.830	.48070	.10310	.01880	4.66030	-.16900	-.12530	.21740	-.02360	.19380	.24110
.610	11.380	.50530	.10950	.01930	4.61350	-.16420	-.12370	.26010	-.01130	.24880	.27140
.612	11.890	.52970	.11570	.01930	4.57770	-.16210	-.12070	.22080	-.05050	.17020	.27140
.610	12.420	.56130	.12450	.01890	4.50640	-.17140	-.12790	.20240	-.00070	.20160	.20310
.612	12.950	.58550	.13390	.01830	4.37310	-.16570	-.12390	.19870	.01070	.20950	.18800
.609	13.480	.61800	.14630	.01840	4.22420	-.17970	-.13420	.19900	.02610	.22520	.17280
.611	14.010	.63710	.15700	.01860	4.05780	-.17490	-.13360	.21040	.01480	.22520	.19560
.611	14.510	.66250	.16960	.01770	3.90440	-.18070	-.13190	.20700	.04170	.24880	.16520
.613	15.030	.68060	.18210	.01750	3.73620	-.17730	-.13180	.12600	.04420	.17020	.08180
.612	15.560	.70350	.19630	.01660	3.58310	-.18140	-.13260	.04380	-.02280	.02100	.06660
.612	16.070	.72530	.21040	.01630	3.44670	-.18660	-.14150	.02090	-.00770	.01320	.02670
.612	16.570	.74360	.22400	.01600	3.31850	-.18980	-.14350	-.06440	-.04010	-.10450	-.02430
.612	17.100	.76780	.24000	.01510	3.19880	-.19140	-.14990	-.20280	-.01160	-.21450	-.19110
.610	17.610	.79270	.25670	.01450	3.08820	-.20300	-.15540	-.38220	.09700	-.28510	-.47930
.612	18.100	.80800	.27100	.01320	2.98100	-.20370	-.15830	-.58990	.13970	-.45010	-.72960
.608	18.620	.83920	.29090	.01140	2.88420	-.21550	-.16980	-.65910	.14620	-.51290	-.80540
.608	19.120	.86120	.30830	.00890	2.79330	-.21930	-.17520	-.75460	.20240	-.55210	-.95710
.609	19.620	.88580	.32560	.00730	2.72050	-.22530	-.18370	-.81610	.21680	-.53930	-1.03290
.611	20.120	.90880	.34260	.00520	2.65210	-.22250	-.18150	-.86230	.22370	-.63850	-1.06600
.608	20.600	.94230	.36300	.00350	2.59540	-.23020	-.19750	-.86650	.20430	-.66210	-1.07000
.610	21.060	.96220	.37850	.00250	2.54210	-.23050	-.19920	-.87360	.23510	-.63850	-1.10400
.610	21.420	.97820	.39130	.00150	2.49970	-.23100	-.20060	-.93110	.26110	-.66990	-1.11620

LA67 (LTV 552) ORBITER 49-0

(SF0013)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 53/ 0 RN/L * 10.18

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.197	-.010	-.02260	.14660	.03500	-.15450	-.31570	-.34480	.66100	-.47500	.16590	1.13600
1.194	.340	-.00200	.14690	.03100	-.01410	-.31990	-.34800	.67190	-.50950	.16240	1.18150
1.197	.950	.03620	.14740	.02310	.24590	-.31800	-.34350	.66450	-.49420	.17020	1.19870
1.199	1.600	.07410	.14890	.01430	.49770	-.31660	-.33750	.62240	-.47560	.14670	1.09800
1.204	2.180	.10970	.15090	.00660	.72710	-.31370	-.32670	.66160	-.43640	.22520	1.09800
1.206	2.700	.13920	.15300	.00060	.90980	-.31210	-.32090	.70050	-.42030	.28020	1.12080
1.205	3.230	.16950	.15560	-.00440	1.08930	-.31430	-.31830	.70060	-.41250	.28800	1.11320
1.199	3.760	.19780	.15910	-.00980	1.24290	-.31900	-.32270	.67070	-.35900	.31160	1.02980
1.199	4.320	.22820	.16330	-.01480	1.39700	-.31770	-.31800	.67420	-.37830	.29590	1.05250
1.199	4.870	.25810	.16750	-.02050	1.54010	-.31850	-.31640	.63560	-.37900	.25660	1.01460
1.196	5.410	.28970	.17270	-.02610	1.67780	-.32450	-.32020	.58620	-.33740	.24880	.92360
1.201	5.950	.31800	.17750	-.03060	1.79150	-.32300	-.31330	.56340	-.31460	.24880	.87810
1.198	6.500	.34640	.18380	-.03500	1.88390	-.32730	-.32050	.55190	-.31100	.24090	.86290
1.198	7.040	.37460	.19020	-.03770	1.96950	-.33060	-.32240	.48350	-.25040	.23310	.73100
1.199	7.580	.40200	.19650	-.04180	2.04530	-.33210	-.32310	.39590	-.18640	.20950	.58230
1.202	8.140	.43000	.20330	-.04330	2.11460	-.32800	-.32080	.26590	-.11920	.14670	.38520
1.200	8.670	.45620	.21060	-.04560	2.16620	-.33540	-.32680	.19270	-.11660	.07600	.30930
1.199	9.220	.48340	.21870	-.04690	2.21020	-.33790	-.33030	.10080	-.07190	.02890	.17280
1.198	9.770	.51130	.22720	-.04810	2.25030	-.33890	-.33370	-.01380	-.01220	-.02600	-.00150
1.196	10.320	.53720	.23600	-.04910	2.27570	-.34310	-.33830	-.14080	.00480	-.13590	-.14560
1.199	10.870	.56260	.24500	-.05030	2.29570	-.33890	-.33730	-.31440	.00560	-.30870	-.32000
1.195	11.400	.58810	.25520	-.05110	2.30380	-.34640	-.34410	-.44980	-.01580	-.46580	-.43380
1.197	11.970	.61490	.26660	-.05190	2.30620	-.34440	-.34480	-.59290	-.03000	-.62280	-.56270
1.200	12.500	.63810	.27710	-.05340	2.30240	-.34490	-.34210	-.80640	-.11470	-.92120	-.69160
1.198	13.050	.66570	.28970	-.05450	2.29790	-.35040	-.34430	-.99190	-.13340	-.112540	-.85850
1.200	13.590	.68970	.30160	-.05670	2.28620	-.35010	-.34480	-.110910	-.21260	-.132170	-.89640
1.201	14.130	.71460	.31560	-.05870	2.26400	-.35120	-.34640	-.128370	-.27350	-.155730	-.101020
1.198	14.680	.73960	.32950	-.05900	2.24420	-.35560	-.35540	-.150120	-.35450	-.185570	-.114670
1.195	15.220	.76360	.34440	-.06030	2.21670	-.36030	-.35920	-.164500	-.41490	-.205990	-.123010
1.193	15.730	.78590	.35940	-.06230	2.18640	-.37360	-.36810	-.171950	-.48170	-.220130	-.123770
1.194	16.260	.81050	.37530	-.06390	2.15950	-.38040	-.37460	-.184380	-.53020	-.237400	-.131350
1.197	16.800	.83100	.38990	-.06560	2.13100	-.38210	-.37910	-.187790	-.49610	-.237400	-.138180
1.199	17.320	.85210	.40530	-.06700	2.10190	-.38380	-.38100	-.194740	-.49730	-.244470	-.145000
1.198	17.850	.87310	.42100	-.06700	2.07360	-.38840	-.38730	-.206270	-.47620	-.253890	-.158650
1.197	18.380	.89270	.43610	-.06780	2.04660	-.39480	-.39330	-.502280	-.340590	-.842870	-.161690
1.196	18.900	.90970	.45060	-.06720	2.01850	-.39970	-.39810	-.3621150	-.3683940	-.7305100	-.62780
1.196	19.410	.92580	.46540	-.06590	1.98910	-.40240	-.40180	-.3024100	.00000	.00000	74.16790
1.195	19.880	.93950	.47910	-.06390	1.96090	-.40810	-.40990	-.3024100	.00000	.00000	74.16790
1.195	20.360	.95520	.49460	-.06270	1.93100	-.41230	-.41930	-.3024100	.00000	.00000	74.16790
1.195	20.750	.96700	.50760	-.06290	1.90500	-.41750	-.42910	-.3024100	.00000	.00000	74.16790

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD014)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	-2.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 48/ 0 RN/L = 11.98

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.807	-.020	-.04380	.06470	.03040	-.67640	-.19970	-.17920	.52310	-.41560	.10740	.93990
.806	.340	-.02770	.06440	.03070	-.43030	-.20060	-.17580	.47310	-.40490	.06810	.87810
.808	1.000	.00770	.06430	.02930	.12100	-.19820	-.17400	.48830	-.42010	.06810	.90840
.809	1.660	.04120	.06480	.02890	.63540	-.19640	-.17180	.50440	-.38120	.12310	.88570
.810	2.250	.07360	.06550	.02740	1.12320	-.19600	-.16930	.48820	-.42780	.06030	.91600
.809	2.810	.10510	.06680	.02700	1.57320	-.20090	-.17750	.51560	-.40030	.11530	.91600
.809	3.360	.13470	.06800	.02570	1.97960	-.20060	-.17610	.52310	-.41560	.10740	.93990
.810	3.930	.16290	.06950	.02430	2.34480	-.19480	-.16850	.49670	-.38140	.11530	.87810
.809	4.490	.19290	.07190	.02290	2.68050	-.19580	-.16680	.50850	-.36960	.13880	.87810
.808	5.050	.22400	.07500	.02130	2.98510	-.19850	-.16790	.50780	-.40820	.09960	.91600
.809	5.620	.25050	.07800	.01930	3.20900	-.19810	-.16350	.46950	-.39340	.07600	.86290
.808	6.190	.28260	.08270	.01770	3.41590	-.19990	-.16640	.48120	-.38160	.09960	.86290
.808	6.740	.31300	.08790	.01600	3.56080	-.20170	-.16840	.50400	-.40440	.09960	.90840
.808	7.290	.33940	.09260	.01510	3.66530	-.19690	-.16150	.52020	-.35780	.16240	.87310
.808	7.850	.36600	.09830	.01430	3.72050	-.19670	-.16050	.45460	-.36280	.09170	.81740
.807	8.410	.39380	.10540	.01490	3.73550	-.20310	-.16510	.48120	-.38160	.09960	.86290
.807	8.980	.41720	.11260	.01530	3.70510	-.20370	-.16340	.48140	-.37390	.10740	.85540
.807	9.530	.44210	.12030	.01520	3.67310	-.20570	-.16460	.45840	-.36660	.09170	.82500
.807	10.080	.46710	.12870	.01510	3.62750	-.20650	-.16600	.40470	-.34440	.06030	.74920
.807	10.620	.49090	.13720	.01510	3.57740	-.20780	-.16820	.38960	-.32920	.06030	.71880
.807	11.170	.51400	.14640	.01560	3.51080	-.20660	-.16580	.41330	-.29800	.11530	.71130
.807	11.720	.53740	.15630	.01570	3.43770	-.20990	-.16820	.34030	-.27990	.06030	.62030
.806	12.260	.56170	.16700	.01500	3.36310	-.21370	-.17090	.33310	-.24920	.08390	.58230
.806	12.820	.58860	.17930	.01520	3.28180	-.21860	-.17620	.27910	-.25010	.02890	.52930
.806	13.370	.60940	.19090	.01540	3.19160	-.22240	-.17900	.19190	-.16290	.02890	.35480
.805	13.910	.63440	.20370	.01340	3.11300	-.22750	-.18580	.09260	-.10290	-.01030	.19560
.805	14.460	.65960	.21740	.01240	3.03330	-.23320	-.19060	-.01250	-.16260	-.17520	.15010
.803	15.020	.68660	.23320	.00970	2.95210	-.24160	-.19740	-.11580	-.11430	-.23020	-.00150
.803	15.540	.71090	.24760	.00690	2.87110	-.24890	-.20550	-.24420	-.17440	-.41860	-.06980
.804	16.080	.73720	.26360	.00470	2.79560	-.25000	-.21180	-.38610	-.12670	-.51290	-.25940
.803	16.610	.76180	.28220	.00280	2.71860	-.25570	-.21890	-.52100	-.11750	-.63850	-.40350
.803	17.140	.78590	.29650	.00110	2.65050	-.25850	-.22210	-.65630	-.13140	-.78770	-.52480
.803	17.680	.80850	.31250	.00000	2.58690	-.26290	-.23140	-.70940	-.07830	-.78770	-.63100
.801	18.200	.82860	.32790	.00100	2.52670	-.27080	-.23840	-.79140	-.13760	-.92910	-.65370
.801	18.750	.84700	.34290	.00300	2.46950	-.27420	-.24090	-.83320	-.10360	-.93690	-.72960
.800	19.250	.86590	.35840	.00450	2.41560	-.27680	-.24660	-.90990	-.07410	-.98410	-.83570
.800	19.730	.87700	.37090	.00630	2.36450	-.27970	-.25230	-.93350	-.09770	-1.03120	-.83570
.798	20.210	.89690	.38660	.00860	2.31940	-.29250	-.26910	-.97580	-.09450	-1.07040	-.88120
.797	20.610	.91610	.40090	.01050	2.23500	-.29910	-.27740	-1.04900	-.08430	-1.13330	-.96470
.797	20.820	.92480	.40810	.01030	2.26580	-.30260	-.28250	-1.06820	-.08070	-1.14900	-.98740

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(SFD014)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 51/ 0 RN/L = 11.86

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPS	ELEVON	AILRON	ELVN-L	ELVN-R
.898	-.010	-.02910	.07650	.02480	-.38010	-.22640	-.20120	.58460	-.43000	.15450	1.01460
.899	.370	-.00680	.07630	.02350	-.08960	-.22490	-.20010	.61580	-.40630	.20950	1.02220
.900	1.020	.03140	.07740	.02160	.40540	-.22450	-.19740	.58970	-.39940	.17020	.96910
.902	1.680	.06850	.07890	.01820	.86800	-.22210	-.19520	.62330	-.42160	.20160	1.04490
.903	2.250	.10090	.08100	.01670	1.24460	-.22260	-.19320	.59870	-.39510	.20160	.99190
.904	2.790	.13110	.08320	.01420	1.57600	-.22190	-.19320	.64690	-.39800	.24880	1.04490
.903	3.330	.15960	.08640	.01450	1.84630	-.22210	-.19240	.61250	-.37940	.23310	.99190
.906	3.890	.18380	.08930	.01390	2.05840	-.22120	-.19170	.66240	-.39010	.27230	1.05250
.905	4.440	.20940	.09290	.01570	2.25310	-.22100	-.18980	.64750	-.35940	.28800	1.00700
.906	4.990	.23120	.09610	.01560	2.40620	-.21730	-.18390	.66220	-.40550	.25660	1.06770
.903	5.520	.25610	.10040	.01750	2.54960	-.21960	-.18150	.61610	-.39090	.22520	1.00700
.905	6.080	.27860	.10410	.01690	2.67540	-.21640	-.17900	.68570	-.38190	.30370	1.06770
.903	6.610	.30470	.10920	.01740	2.79050	-.21770	-.18020	.65880	-.37850	.28020	1.03740
.903	7.170	.32680	.11410	.01720	2.86290	-.21710	-.17760	.64290	-.40200	.24090	1.04490
.901	7.790	.35270	.12070	.01620	2.92060	-.21920	-.18120	.64750	-.35940	.28800	1.00700
.902	8.240	.37750	.12720	.01520	2.96700	-.21880	-.17950	.61270	-.36390	.24880	.97670
.901	8.770	.40090	.13390	.01490	2.99360	-.22070	-.18300	.62860	-.34050	.28800	.96910
.900	9.310	.42340	.14110	.01590	3.00070	-.22470	-.18530	.60150	-.34480	.25660	.94640
.901	9.850	.44710	.14910	.01490	2.99720	-.22420	-.18760	.63290	-.31340	.31940	.94640
.903	10.410	.47510	.15830	.01190	2.99980	-.22470	-.18740	.60490	-.37180	.23310	.97670
.902	10.930	.50260	.16820	.00900	2.98800	-.22960	-.19180	.60950	-.32920	.28020	.93880
.902	11.480	.52910	.17840	.00660	2.96440	-.23130	-.19350	.60620	-.29460	.31160	.90090
.900	12.000	.55280	.18850	.00540	2.93200	-.23530	-.20050	.57560	-.27970	.29590	.85540
.900	12.530	.57370	.19846	.00470	2.89040	-.23770	-.20200	.52170	-.27290	.24880	.79470
.899	13.050	.59410	.20890	.00510	2.84410	-.24120	-.20510	.46170	-.17360	.28800	.63540
.895	13.540	.61520	.21950	.00350	2.80210	-.24950	-.21190	.38490	-.15180	.23310	.53680
.893	14.050	.63680	.23120	.00350	2.75440	-.25560	-.21560	.27400	-.09590	.17810	.37000
.893	14.560	.65730	.24320	.00240	2.70250	-.26070	-.22180	.12770	-.08300	.04460	.21070
.895	15.080	.67480	.25450	-.00010	2.65130	-.26310	-.22630	.01880	-.13120	-.11240	.15010
.894	15.570	.69610	.26760	-.00010	2.60100	-.26850	-.22770	-.07740	-.12130	-.19880	.04390
.895	16.060	.71540	.27980	-.00160	2.55680	-.27370	-.23490	-.25040	-.08960	-.34010	-.16080
.897	16.560	.73480	.29310	-.00260	2.50650	-.27730	-.24190	-.41550	-.04230	-.45790	-.37310
.897	17.050	.75760	.30830	-.00240	2.45700	-.28220	-.24180	-.53140	-.05210	-.58360	-.47930
.899	17.540	.77180	.32010	-.00250	2.41110	-.28650	-.25180	-.70890	-.05520	-.76420	-.65370

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD015)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPDS =	.000
BETA =	-2.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 56/ 0 RN/L = 5.06

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.601	-4.080	-.22720	.06970	.02860	-3.25810	-.19400	-.17020	.14760	-.26790	-.12020	.41550
.597	-3.670	-.21490	.06950	.03010	-3.08970	-.19780	-.17990	.14720	-.29100	-.14380	.43820
.598	-2.800	-.17310	.06610	.02750	-2.61630	-.19970	-.17960	.16750	-.23280	-.06530	.40030
.603	-1.980	-.12830	.06360	.02980	-2.01530	-.18120	-.16380	.11680	-.26070	-.14380	.37760
.604	-1.240	-.09800	.06220	.02970	-1.57530	-.18310	-.15770	.12460	-.26050	-.13590	.38520
.598	-.510	-.06580	.06230	.02970	-1.05570	-.19930	-.17250	.17900	-.23640	-.05740	.41550
.598	.230	-.02680	.06150	.02820	-.43640	-.19520	-.17240	.16730	-.24050	-.07310	.40790
.598	1.010	.00820	.06150	.02930	.13360	-.18670	-.16930	.16720	-.24820	-.08100	.41550
.602	1.740	.03460	.05980	.02990	.57860	-.18180	-.15320	.16000	-.21750	-.05740	.37760
.600	2.490	.07050	.06030	.02760	1.16860	-.18300	-.15860	.14390	-.25630	-.11240	.40030
.599	3.240	.10310	.06090	.02900	1.69200	-.18530	-.15520	.15620	-.21370	-.05740	.37000
.596	4.000	.14470	.06420	.02900	2.25190	-.18640	-.16250	.14500	-.19460	-.04950	.33970
.593	4.740	.18110	.06620	.02800	2.73440	-.19390	-.16260	.14470	-.21000	-.06530	.35480
.594	5.500	.21830	.06890	.02710	3.16510	-.18920	-.15880	.13320	-.20640	-.07310	.33970
.595	6.260	.25400	.07230	.02380	3.51350	-.18530	-.15770	.14430	-.23320	-.08880	.37760
.594	6.990	.29400	.07590	.02260	3.87150	-.19210	-.15980	.15180	-.24850	-.09670	.40030
.598	7.730	.32470	.07830	.02250	4.14390	-.18660	-.14640	.15290	-.18680	-.03380	.33970
.600	8.500	.36560	.08380	.01980	4.35950	-.17580	-.13750	.09420	-.23020	-.13590	.32450
.595	9.240	.40700	.09090	.01990	4.47590	-.19580	-.15460	.14850	-.21380	-.06530	.36240
.596	9.990	.45060	.09910	.01920	4.54680	-.19120	-.14270	.10600	-.21840	-.11240	.32450
.599	10.730	.47680	.10430	.01910	4.57000	-.18920	-.14020	.11830	-.17580	-.05740	.29420
.598	11.480	.52100	.11500	.01980	4.52960	-.18770	-.14270	.12900	-.22570	-.09670	.35480
.595	12.240	.56760	.12840	.02200	4.41830	-.19560	-.14610	.11010	-.20680	-.09670	.31690
.599	12.990	.59650	.14140	.01880	4.21760	-.18430	-.14460	.11430	-.18740	-.07310	.30170
.599	13.730	.63570	.15930	.01750	3.99050	-.18820	-.15020	.11850	-.16810	-.04950	.28660
.594	14.460	.67700	.17970	.01630	3.76630	-.20280	-.16150	.06060	-.16520	-.10450	.22590
.594	15.200	.71650	.20050	.01540	3.57350	-.20920	-.16000	.03460	-.10780	-.07310	.14250
.592	15.930	.75170	.22270	.00970	3.37530	-.21500	-.17110	-.01160	-.10860	-.12020	.09700
.596	16.680	.78110	.24480	.00730	3.19070	-.20490	-.18460	-.12720	-.10290	-.23020	-.02430
.597	17.390	.81370	.26680	.00430	3.04920	-.21780	-.18440	-.13110	-.10680	-.23800	-.02430
.594	18.100	.85370	.29220	.00240	2.92070	-.23600	-.20120	-.15040	-.10330	-.25370	-.04700
.591	18.820	.89540	.31870	.00510	2.80950	-.24890	-.22290	-.27050	-.13240	-.40290	-.13800
.598	19.510	.90860	.33640	.00080	2.70060	-.23940	-.23320	-.27850	-.14800	-.42650	-.13040
.594	20.110	.95340	.36460	-.00060	2.61490	-.25870	-.25350	-.33680	-.17600	-.51290	-.16080
.598	20.360	.95780	.37090	.00000	2.58230	-.24950	-.24190	-.34810	-.15690	-.50500	-.19110

LA67 (LTV 552) ORBITER 49-0

(SFD016)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSPOS =	.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 57/ 0 RN/L = 6.03

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.891	-3.730	-.25060	.08940	.04350	-2.80250	-.24450	-.23340	.53140	.06280	.59430	.46860
.898	-2.820	-.19690	.08530	.03800	-2.30770	-.23920	-.22060	.58980	.09080	.68070	.49890
.897	-1.990	-.14370	.08120	.03300	-1.77000	-.24090	-.22570	.56680	.09810	.66500	.46860
.891	-1.210	-.09940	.07910	.02940	-1.25630	-.24360	-.22700	.54740	.09390	.64140	.45340
.891	-.430	-.05620	.07830	.02610	-.71760	-.24310	-.22210	.54730	.08620	.63360	.46100
.890	.330	-.01330	.07720	.02470	-.17240	-.24090	-.21220	.58210	.09070	.67280	.49130
.895	1.100	.03250	.07800	.01950	.41700	-.23560	-.20740	.60890	.07960	.68850	.52920
.895	1.880	.07440	.07920	.01850	.93910	-.23290	-.20300	.57800	.07910	.65710	.49890
.890	2.650	.11810	.08190	.01920	1.44100	-.23750	-.21060	.58190	.08300	.66500	.49890
.892	3.430	.15820	.08580	.01730	1.84440	-.23500	-.20540	.60470	.06020	.66500	.54440
.896	4.200	.19230	.09000	.01670	2.13630	-.22840	-.19510	.60890	.07960	.68850	.52920
.894	4.970	.23110	.09540	.01650	2.42210	-.22790	-.19670	.62430	.07990	.70420	.54440
.894	5.740	.26620	.10120	.01620	2.62980	-.22610	-.19500	.62070	.09140	.71210	.52920
.888	6.530	.30850	.10950	.01450	2.81750	-.23760	-.19560	.62430	.07990	.70420	.54440
.894	7.290	.34520	.11800	.01460	2.92340	-.22660	-.19220	.60860	.06420	.67280	.54440
.892	8.060	.37280	.12520	.01490	2.97650	-.23070	-.19840	.59790	.11410	.71210	.48370
.890	8.820	.40360	.13420	.01570	3.00630	-.23220	-.19210	.57400	.06740	.64140	.50650
.889	9.590	.43990	.14630	.01380	3.00600	-.23860	-.19690	.55120	.09020	.64140	.46100
.896	10.350	.47320	.15920	.01170	2.97110	-.23330	-.19890	.55130	.09790	.64930	.45340
.896	11.120	.50680	.17250	.01000	2.93800	-.23740	-.19940	.56660	.09040	.65710	.47620
.889	11.890	.54180	.18760	.00720	2.88720	-.24910	-.21350	.50100	.08540	.58640	.41550
.893	12.650	.57700	.20360	.00380	2.83330	-.24790	-.21310	.45790	.05000	.50790	.40790
.887	13.390	.61020	.21970	-.00150	2.77700	-.25750	-.23250	.33890	.08260	.42150	.25620
.885	14.150	.64220	.23730	-.00340	2.70520	-.26420	-.24310	.26620	.11610	.38230	.15010
.890	14.890	.67240	.25470	-.00440	2.63950	-.26340	-.24190	.11640	.15590	.27230	-.03940
.889	15.650	.70750	.27470	-.00740	2.57540	-.27440	-.25520	-.03720	.19180	.15450	-.22900
.892	16.410	.73970	.29510	-.00790	2.50600	-.27290	-.25730	-.19920	.19670	-.00240	-.39590
.893	17.150	.76860	.31460	-.00750	2.44240	-.28030	-.26390	-.27550	.24160	-.03380	-.51720
.886	17.890	.80920	.33940	-.00650	2.38400	-.30120	-.28840	-.33650	.28690	-.04950	-.62340
.890	18.620	.83010	.35840	-.00660	2.31590	-.30280	-.29480	-.38970	.33220	-.05740	-.72200
.891	19.320	.85310	.37850	-.00540	2.25370	-.31420	-.30410	-.45920	.33100	-.12810	-.79020
.892	20.000	.87420	.39880	-.00150	2.19180	-.32830	-.32360	-.50970	.31090	-.19870	-.82060
.886	20.450	.89830	.41740	.00070	2.15180	-.35240	-.34940	-.55180	.32940	-.22230	-.88120

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD016)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	6.000
GRITNO =	.000	RCSP05 =	.000
BETA =	-2.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 58/ 0 RN/L = 6.45

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.181	-3.750	-.25660	.16450	.08910	-1.55980	-.35130	-.38100	1.09030	.25000	1.34030	.84020
1.179	-2.820	-.19590	.15760	.07550	-1.24280	-.34990	-.37840	1.03220	.23740	1.26970	.79470
1.187	-1.980	-.14090	.15230	.06040	-.92470	-.34260	-.36470	1.00550	.25630	1.26180	.74920
1.186	-1.210	-.09290	.14970	.04920	-.62080	-.34230	-.36660	1.00950	.26790	1.27750	.74160
1.188	-.460	-.04970	.14780	.03790	-.33620	-.34170	-.36510	1.04070	.28390	1.32460	.75680
1.187	.310	-.00030	.14730	.02630	-.00260	-.34350	-.36270	1.00970	.27560	1.28540	.73400
1.187	1.100	.04960	.14840	.01660	.33410	-.34140	-.35430	.97110	.27500	1.24610	.69610
1.187	1.870	.09620	.15040	.00620	.63960	-.34050	-.34810	.90110	.24290	1.14400	.65820
1.182	2.660	.14180	.15390	-.00290	.92090	-.34630	-.35050	.91260	.23920	1.15190	.67330
1.184	3.420	.18620	.15780	-.01160	1.18040	-.34540	-.34460	.97570	.31750	1.29320	.65820
1.179	4.220	.23160	.16370	-.01920	1.41500	-.34720	-.34100	.95210	.29390	1.24610	.65820
1.177	4.990	.27730	.17020	-.02760	1.62960	-.35050	-.34090	.89800	.28530	1.18330	.61270
1.183	5.770	.31980	.17730	-.03280	1.80290	-.34650	-.32800	.87030	.25000	1.12040	.62030
1.180	6.550	.36390	.18640	-.03910	1.95230	-.35190	-.33810	.82930	.33040	1.15970	.49390
1.187	7.330	.40060	.19470	-.04470	2.05730	-.34800	-.32880	.72920	.34400	1.07330	.38520
1.182	8.110	.44200	.20550	-.04780	2.15050	-.35270	-.33980	.60970	.34580	.95550	.26380
1.185	8.870	.47760	.21530	-.05020	2.21770	-.35460	-.33800	.33510	.30630	.64140	.02870
1.186	9.660	.51000	.22590	-.05000	2.25740	-.35550	-.33440	.13520	.34910	.48430	-.21390
1.181	10.450	.54900	.23930	-.05030	2.29420	-.36230	-.34130	.03170	.38970	.42150	-.35800
1.179	11.230	.58790	.25430	-.05320	2.31120	-.36350	-.34780	-.10910	.49150	.38230	-.60060
1.185	11.990	.62350	.26870	-.05630	2.32040	-.36370	-.34870	-.28310	.46910	.18590	-.75230
1.180	12.770	.66630	.28780	-.05850	2.31520	-.37340	-.35770	-.32570	.46450	.13880	-.79020
1.177	13.560	.70280	.30700	-.05960	2.28870	-.38180	-.36350	-.49290	.38830	-.10450	-.88120
1.177	14.310	.73750	.32690	-.06300	2.25580	-.38940	-.37480	-.60880	.37860	-.23020	-.98740
1.180	15.090	.77220	.34800	-.06660	2.21850	-.39760	-.37860	-.67010	.40070	-.26940	-1.07080
1.183	15.840	.80560	.36890	-.07000	2.18370	-.40090	-.39020	-.81720	.37490	-.44220	-1.19220
1.181	16.610	.84160	.39150	-.07230	2.14910	-.40800	-.40060	-.86340	.38180	-.48150	-1.24530
1.186	17.360	.86910	.41230	-.07380	2.10760	-.40740	-.39980	-.99020	.40660	-.58360	-1.39690
1.180	18.110	.90100	.43560	-.07540	2.06820	-.41740	-.42010	-1.02520	.39450	-.63070	-1.41970
1.177	18.850	.92950	.45830	-.07450	2.02770	-.42550	-.43020	-1.11100	.33890	-.77200	-1.45000
1.184	19.550	.94990	.47820	-.07370	1.98630	-.42260	-.42910	-1.18010	.36090	-.81910	-1.54100
1.174	20.240	.97650	.50220	-.07200	1.94410	-.44320	-.43760	-1.20280	.38360	-.81910	-1.58650
1.183	20.610	.98410	.51240	-.07170	1.92060	-.43450	-.43310	-1.29900	.40130	-.89770	-1.70030

LA67 (LTV 552) ORBITER 49-0

(SFD017)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	-2.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 61/ 0 RN/L = 5.10

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.602	-3.990	-.22070	.06950	.02650	-3.17270	-.19780	-.18700	.43620	.13440	.57070	.30170
.605	-3.600	-.20240	.06790	.02660	-2.97830	-.19030	-.17770	.37500	.16420	.53930	.21070
.603	-3.020	-.17530	.06610	.02710	-2.65050	-.20000	-.18660	.41740	.16110	.57860	.25620
.610	-2.440	-.14960	.06360	.02580	-2.35190	-.18880	-.16160	.39010	.14140	.53150	.24860
.605	-1.910	-.12420	.06340	.02680	-1.95710	-.20070	-.17960	.42890	.15750	.58650	.27140
.606	-1.400	-.09950	.06250	.02540	-1.59290	-.19470	-.17680	.40600	.17250	.57860	.23350
.611	-.910	-.07040	.06070	.02510	-1.29220	-.18970	-.15800	.43680	.16530	.60220	.27140
.611	-.400	-.05680	.06060	.02500	-.93630	-.18520	-.15630	.39440	.16840	.56290	.22590
.607	.110	-.03010	.06040	.02520	-.49800	-.19310	-.16290	.41360	.16490	.57860	.24860
.611	.600	-.00740	.05930	.02440	-.12590	-.18970	-.15350	.43660	.15760	.59430	.27900
.605	1.120	.01400	.06060	.02540	.23230	-.19190	-.16900	.38220	.13350	.51580	.24860
.610	1.620	.04040	.05930	.02500	.68010	-.18890	-.16050	.42490	.14580	.57070	.27900
.607	2.120	.06390	.05990	.02530	1.06640	-.19030	-.16570	.39780	.14150	.53930	.25620
.603	2.650	.08790	.06130	.02550	1.43290	-.20130	-.16390	.40980	.16870	.57860	.24110
.608	3.130	.10870	.06080	.02500	1.78580	-.18910	-.16110	.40550	.14160	.54720	.26380
.609	3.640	.13350	.06170	.02470	2.16320	-.18610	-.15720	.40920	.13010	.53930	.27900
.609	4.140	.15430	.06310	.02450	2.44520	-.18450	-.15540	.42150	.17280	.59430	.24860
.608	4.650	.17080	.06440	.02380	2.77320	-.18920	-.15100	.45220	.16560	.61790	.28660
.609	5.160	.20460	.06640	.02400	3.08240	-.18780	-.14700	.38650	.16060	.54720	.22590
.604	5.680	.23510	.06920	.02350	3.39370	-.19420	-.15700	.38220	.13350	.51580	.24860
.604	6.190	.26130	.07120	.02240	3.66500	-.20060	-.15520	.41810	.19970	.61790	.21830
.609	6.680	.28220	.07290	.02220	3.87080	-.18800	-.14710	.41700	.13800	.55500	.27900
.603	7.210	.31560	.07710	.02170	4.08980	-.19880	-.15310	.41780	.18430	.60220	.23350
.605	7.700	.33440	.07940	.02010	4.21170	-.19380	-.14560	.39780	.14150	.53930	.25620
.604	8.210	.36330	.08320	.01890	4.36360	-.19690	-.14420	.39050	.16450	.55500	.22590
.605	8.710	.38780	.08730	.01870	4.44150	-.19430	-.15180	.39530	.22250	.61790	.17280
.609	9.210	.40970	.09080	.01770	4.50790	-.18410	-.13160	.35990	.17940	.53930	.18040
.604	9.730	.43990	.09620	.01610	4.57010	-.19400	-.14570	.41850	.22290	.64140	.19560
.606	10.240	.46370	.10160	.01660	4.56220	-.19200	-.14210	.41770	.17660	.59430	.24110
.603	10.730	.49150	.10670	.01710	4.60380	-.20220	-.14790	.39490	.19930	.59430	.19560
.607	11.240	.51280	.11240	.01690	4.55860	-.18660	-.14130	.35630	.19860	.55500	.15760
.605	11.750	.54450	.12040	.01780	4.52080	-.19670	-.14430	.38310	.18750	.57070	.19560
.606	12.250	.56920	.12840	.01700	4.43260	-.19250	-.14460	.37220	.22210	.59430	.15010
.604	12.730	.59730	.13880	.01560	4.30380	-.19910	-.14710	.37980	.21450	.59430	.16520
.603	13.230	.62130	.15060	.01530	4.12510	-.20270	-.15040	.30690	.24020	.54720	.06660
.606	13.740	.63770	.16130	.01480	3.95270	-.19650	-.14730	.30730	.26340	.57070	.04390
.608	14.240	.65860	.17250	.01400	3.81680	-.19920	-.15490	.24600	.28550	.53150	-.03940
.603	14.720	.69160	.18810	.01230	3.67650	-.20520	-.15990	.14160	.27210	.41370	-.13040
.605	15.220	.71160	.20050	.01200	3.54880	-.19660	-.15050	.12550	.23320	.35870	-.10770
.602	15.700	.73730	.21550	.01060	3.42050	-.21690	-.17100	.05230	.24350	.29590	-.19110
.602	16.190	.76070	.23080	.00840	3.29500	-.21540	-.16900	-.02110	.23060	.20950	-.25180
.604	16.690	.78160	.24610	.00620	3.17550	-.21700	-.17590	-.03250	.24200	.20950	-.27450

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD017)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDRK	=	25.000	RN/L	=	5.000
GRITNO	=	.000	RCSP0S	=	1.000
BETA	=	-2.000	ALFSNP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 61/ 0 RN/L = 5.10

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.603	17.190	.80770	.26320	.00370	3.06810	-.21590	-.16880	-.05140	.26100	.20950	-.31250
.605	17.680	.82660	.27670	.00470	2.98700	-.22400	-.17860	-.05970	.23000	.17020	-.28970
.603	18.150	.85030	.29350	.00490	2.89630	-.22540	-.17790	-.13670	.23630	.09960	-.37310
.602	18.610	.87520	.31050	.00410	2.81870	-.23110	-.18850	-.11700	.26370	.14670	-.38070
.603	19.080	.89340	.32520	.00500	2.74680	-.23420	-.19490	-.19050	.25080	.06030	-.44140
.602	19.510	.91440	.34130	.00380	2.67900	-.24040	-.20680	-.23610	.28860	.05240	-.52480
.603	19.840	.92430	.35080	.00330	2.63410	-.24680	-.20810	-.31640	.32970	.01320	-.64610

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD018)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	25.000	RN/L	=	6.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	-2.000	ALFSHP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 60/ 0 RN/L = 6.04

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.901	-3.730	-.25110	.08970	.04300	-2.79870	-.23320	-.21560	.56680	.31810	.88490	.24860
.899	-2.820	-.19620	.08370	.03780	-2.34450	-.23360	-.21520	.55960	.34880	.90840	.21070
.905	-1.970	-.14520	.08030	.03330	-1.80810	-.22670	-.21000	.59380	.32240	.91630	.27140
.901	-1.220	-.09960	.07820	.03050	-1.27340	-.23140	-.20840	.56350	.35270	.91630	.21070
.898	-.440	-.05520	.07660	.02670	-.72050	-.23240	-.20790	.55540	.32940	.88490	.22590
.898	.330	-.00940	.07630	.02510	-.12400	-.22990	-.20460	.54360	.31760	.86130	.22590
.899	1.110	.03660	.07790	.02190	.47080	-.23110	-.20290	.56660	.31030	.87700	.25620
.902	1.880	.07570	.07880	.01950	.96030	-.22290	-.19440	.58140	.27200	.85350	.30930
.899	2.650	.11250	.08050	.01960	1.39810	-.22720	-.19550	.60060	.26850	.86920	.33210
.901	3.430	.15480	.08400	.01790	1.84190	-.21980	-.18990	.61660	.29960	.91630	.31690
.902	4.210	.19010	.08830	.01700	2.15100	-.21690	-.18160	.59710	.28770	.88490	.30930
.902	4.980	.22410	.09320	.01660	2.40360	-.21650	-.18160	.62820	.30370	.93200	.32450
.899	5.740	.26320	.10010	.01550	2.62690	-.22460	-.18570	.65520	.30030	.95550	.35480
.900	6.520	.30080	.10720	.01500	2.80520	-.22130	-.18400	.64730	.29250	.93980	.35480
.898	7.290	.33530	.11530	.01420	2.90750	-.22380	-.18230	.67780	.26980	.94770	.40790
.899	8.050	.36540	.12350	.01410	2.95750	-.22100	-.18490	.66610	.26580	.93200	.40030
.902	8.840	.39890	.13300	.01550	2.99780	-.21560	-.18060	.63530	.26520	.90060	.37000
.899	9.590	.43310	.14430	.01430	3.00160	-.22120	-.18110	.61630	.28420	.90060	.33210
.898	10.360	.46590	.15640	.01340	2.97750	-.22220	-.18570	.60890	.29950	.90840	.30930
.900	11.130	.50010	.16960	.01210	2.94800	-.22720	-.19150	.57010	.29110	.86130	.27900
.898	11.870	.53440	.18430	.00840	2.89990	-.23400	-.19670	.51250	.30170	.81420	.21070
.896	12.630	.56950	.20040	.00700	2.84100	-.24180	-.20430	.45110	.32380	.77490	.12730
.900	13.400	.59650	.21590	.00190	2.76200	-.24130	-.21230	.28810	.26690	.55500	.02110
.897	14.160	.63470	.23550	-.00220	2.69430	-.25370	-.22590	.19470	.21900	.41370	-.02430
.900	14.900	.66500	.25240	-.00220	2.63390	-.25140	-.21970	.02470	.20830	.23310	-.18350
.897	15.650	.69850	.27150	-.00460	2.57230	-.26080	-.23350	-.06350	.23380	.17020	-.29730
.896	16.400	.73420	.29260	-.00490	2.50930	-.27190	-.23840	-.18630	.27020	.08380	-.45650
.897	17.150	.76620	.31360	-.00630	2.44310	-.27480	-.24430	-.29350	.31460	.02100	-.60820
.897	17.900	.79480	.33370	-.00620	2.38130	-.28800	-.25660	-.37840	.31310	-.06530	-.69160
.898	18.620	.82500	.35650	-.00490	2.31430	-.29350	-.26960	-.42080	.31630	-.10450	-.73710
.896	19.350	.84690	.37610	-.00230	2.25140	-.30930	-.28660	-.47460	.33080	-.14380	-.80540
.896	20.030	.86580	.39480	.00040	2.19280	-.31580	-.29900	-.48610	.33440	-.15160	-.82060
.897	20.470	.87820	.40810	.00220	2.15160	-.32630	-.30660	-.48580	.34980	-.13590	-.83570

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD016)

PARAMETRIC DATA

ELEVON = .000 AILRON = .000
 SPDBRK = 25.000 RN/L = 6.000
 GRITNO = .000 RCSPOS = 1.000
 BETA = -2.000 ALFSWP = 1.000
 BOFLAP = .000 RUDDER = .000

RUN NO. 59/ 0 RN/L = 6.47

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.181	-3.730	-.25160	.16450	.08820	-1.52930	-.35230	-.38100	1.10200	.26180	1.36390	.84020
1.183	-2.810	-.19670	.15770	.07530	-1.24660	-.34780	-.37730	1.10160	.23860	1.34030	.86290
1.185	-1.980	-.14090	.15230	.06030	-.92520	-.34300	-.37080	1.10700	.32750	1.43460	.77950
1.182	-1.210	-.09330	.14920	.04890	-.62560	-.34650	-.36850	1.09130	.31180	1.40320	.77950
1.183	-.430	-.04720	.14760	.03950	-.32020	-.34240	-.36610	1.10620	.28120	1.38740	.82500
1.178	.330	.00290	.14790	.02820	.01990	-.35110	-.36630	1.04040	.26840	1.30890	.77190
1.182	1.120	.05230	.14880	.01670	.35190	-.34700	-.36070	1.04830	.27630	1.32460	.77190
1.186	1.890	.09680	.15010	.00630	.64510	-.34080	-.35280	1.04080	.29160	1.33250	.74920
1.186	2.670	.14250	.15310	-.00240	.93100	-.34070	-.34490	1.01330	.26410	1.27750	.74920
1.185	3.450	.18730	.15780	-.01200	1.18680	-.34230	-.34510	1.02930	.29530	1.32460	.73400
1.182	4.230	.23200	.16320	-.01930	1.42170	-.34300	-.34000	.98760	.33700	1.32460	.65060
1.181	4.990	.27340	.16910	-.02810	1.61620	-.34700	-.33460	.96010	.30950	1.26970	.65060
1.180	5.780	.31780	.17740	-.03370	1.79120	-.34970	-.33800	.93390	.35150	1.28540	.58230
1.181	6.540	.35860	.18560	-.04050	1.93180	-.35280	-.33590	.82510	.31100	1.13620	.51410
1.181	7.320	.39870	.19470	-.04400	2.04710	-.35540	-.33910	.77920	.33330	1.11260	.44580
1.180	8.110	.43920	.20520	-.04700	2.14040	-.35670	-.33920	.63650	.33470	.97120	.30170
1.179	8.890	.47740	.21600	-.05070	2.20990	-.35870	-.34340	.40860	.31920	.72780	.08940
1.182	9.680	.51200	.22610	-.04990	2.26360	-.35620	-.34310	.20070	.34640	.54720	-.14560
1.179	10.440	.54740	.23830	-.04980	2.29700	-.36360	-.34590	.07030	.39040	.46080	-.32000
1.178	11.220	.58430	.25300	-.05270	2.30910	-.36580	-.34810	-.12120	.46420	.34300	-.58550
1.182	12.010	.62300	.26910	-.05520	2.31490	-.36600	-.35110	-.26730	.49250	.22520	-.75990
1.183	12.780	.65860	.28530	-.05750	2.30830	-.36870	-.35340	-.37980	.45590	.07600	-.83570
1.178	13.550	.69770	.30560	-.05850	2.28250	-.38290	-.36140	-.48480	.41160	-.07310	-.89640
1.178	14.310	.73290	.32580	-.06240	2.24910	-.39060	-.37290	-.57720	.41770	-.15950	-.99500
1.183	15.090	.76440	.34550	-.06540	2.21230	-.39080	-.37650	-.69290	.42340	-.26940	-1.11630
1.179	15.840	.80430	.36820	-.06910	2.18440	-.40370	-.38700	-.82110	.37100	-.45010	-1.19220
1.183	16.620	.83630	.38960	-.07110	2.14630	-.40370	-.39280	-.89840	.36190	-.53640	-1.26040
1.179	17.360	.87020	.41220	-.07280	2.11120	-.41270	-.40840	-.99400	.41040	-.58360	-1.40450
1.183	18.110	.89760	.43350	-.07540	2.07050	-.41150	-.41120	-1.03330	.37120	-.66210	-1.40450
1.182	18.830	.92480	.45510	-.07510	2.03170	-.41710	-.41130	-1.09920	.35070	-.74850	-1.45000
1.179	19.550	.94940	.47700	-.07310	1.99000	-.42690	-.41960	-1.17990	.36860	-.81130	-1.54860
1.179	20.230	.97270	.49840	-.07290	1.95140	-.42960	-.42490	-1.25730	.35950	-.89770	-1.61690
1.179	20.610	.98680	.51230	-.07270	1.92620	-.43440	-.43090	-1.30090	.29320	-1.00760	-1.59410

ORIGINAL PAGE IS
 OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(SFD019)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	2.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 54/ 0 RN/L = 5.07

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.601	-3.690	-.21210	.06900	.02960	-3.07470	-.18920	-.16870	-.01480	-.51370	-.52860	.49890
.598	-2.810	-.17460	.06710	.02730	-2.59960	-.20050	-.17460	.01650	-.48230	-.46580	.49890
.599	-1.990	-.14000	.06520	.02810	-2.14630	-.20280	-.17400	.01990	-.50930	-.48930	.52920
.605	-1.230	-.09810	.06210	.02780	-1.57880	-.18330	-.16510	.02410	-.48990	-.46580	.51410
.603	-.490	-.06650	.06220	.02670	-1.06920	-.18750	-.16640	.03970	-.48190	-.44220	.52170
.606	.260	-.02560	.06050	.02670	-.42320	-.18110	-.16130	.00110	-.48260	-.48150	.48370
.600	1.000	.00370	.06130	.02590	.06100	-.20070	-.16880	.01250	-.49400	-.48150	.50650
.604	1.770	.04280	.06130	.02550	.69850	-.18460	-.15880	.01230	-.50170	-.48930	.51410
.593	2.510	.08110	.06220	.02640	1.30350	-.20190	-.17120	-.00640	-.47500	-.48150	.46860
.600	3.250	.11300	.06320	.02560	1.78880	-.20060	-.16620	.00110	-.48260	-.48150	.48370
.605	4.010	.15060	.06350	.02470	2.36990	-.18300	-.15180	.00870	-.49020	-.48150	.49890
.600	4.760	.18810	.06610	.02450	2.84410	-.19720	-.15570	-.00230	-.46340	-.46580	.46100
.599	5.510	.21590	.06860	.02150	3.14380	-.19240	-.16090	.03320	-.41260	-.37940	.44580
.600	6.250	.25290	.07060	.02050	3.58310	-.19280	-.15220	-.00990	-.45580	-.46580	.44580
.600	7.000	.29250	.07480	.02030	3.91080	-.19240	-.14780	-.01340	-.43660	-.45000	.42310
.603	7.770	.32710	.07900	.02070	4.13910	-.17930	-.14470	.00580	-.43240	-.42650	.43820
.598	8.510	.36810	.08550	.01850	4.30360	-.19800	-.15260	-.01330	-.42880	-.44220	.41550
.597	9.260	.40920	.09210	.01850	4.44180	-.20070	-.15410	-.00520	-.40560	-.41080	.40030
.599	10.020	.44240	.09880	.02070	4.47700	-.18900	-.15480	.00620	-.40920	-.40290	.41550
.602	10.780	.48090	.10690	.02180	4.49510	-.18660	-.14800	.02150	-.41670	-.39510	.43820
.604	11.520	.51400	.11550	.02170	4.44910	-.18190	-.14740	.01000	-.41300	-.40290	.42310
.604	12.270	.55290	.12650	.02160	4.37000	-.18390	-.14510	.00610	-.41690	-.41080	.42310
.598	13.000	.60590	.14530	.01810	4.17010	-.21070	-.15840	-.04730	-.38700	-.43430	.33970
.605	13.760	.62690	.16210	.01760	3.86550	-.19390	-.15030	-.02010	-.37500	-.39510	.35480
.604	14.490	.66160	.18210	.01600	3.63230	-.20620	-.15220	-.04280	-.35220	-.39510	.30930
.600	15.230	.70280	.20440	.01290	3.43770	-.20780	-.15940	-.06150	-.31780	-.37940	.25620
.595	15.950	.74680	.22620	.01200	3.30120	-.23170	-.17450	-.12020	-.36130	-.48150	.24110
.601	16.700	.77680	.24630	.00900	3.15360	-.21620	-.17300	-.16940	-.31200	-.48150	.14250
.594	17.410	.82720	.27440	.00450	3.01410	-.24120	-.19280	-.19990	-.28940	-.48930	.08940
.601	18.150	.85580	.29560	.00120	2.89460	-.22610	-.18850	-.21130	-.27800	-.48930	.06660
.601	18.860	.88990	.31830	-.00200	2.79530	-.22940	-.19430	-.23850	-.29000	-.52860	.05150
.600	19.550	.93430	.34530	-.00520	2.70510	-.23830	-.20650	-.27670	-.26750	-.54430	-.00910
.596	20.140	.97340	.37000	-.00350	2.63070	-.25770	-.22620	-.29550	-.24090	-.53640	-.05460
.603	20.360	.96200	.37050	-.00270	2.59660	-.24140	-.21290	-.28440	-.26770	-.55210	-.01670

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD020)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	2.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 55/ 0 RN/L = 7.55

MACH	ALPHA	CL	CO	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.595	-3.700	-.20200	.06760	.02620	-2.98440	-.18720	-.17250	.36640	-.32960	.03670	.69610
.596	-2.810	-.15990	.06500	.02710	-2.45800	-.18340	-.16670	.39780	-.29820	.09960	.69610
.601	-2.000	-.12170	.06280	.02650	-1.93560	-.17760	-.15970	.39400	-.29440	.09960	.68850
.602	-1.240	-.08880	.06150	.02610	-1.44280	-.17990	-.15940	.39400	-.29440	.09960	.68850
.602	-.490	-.05510	.06060	.02620	-.90810	-.18430	-.16740	.40930	-.30190	.10740	.71130
.605	.270	-.02350	.05970	.02590	-.39360	-.18360	-.16240	.38580	-.32540	.06030	.71130
.603	1.020	.01530	.06020	.02610	.25440	-.18600	-.16680	.39880	-.24420	.15450	.64300
.605	1.790	.05000	.06050	.02700	.82600	-.18180	-.16230	.41730	-.28630	.13100	.70370
.605	2.550	.08440	.06070	.02490	1.38950	-.18270	-.15730	.37900	-.27150	.10740	.65060
.604	3.300	.12140	.06180	.02350	1.96340	-.18210	-.15820	.39860	-.25190	.14670	.65060
.603	4.070	.15800	.06360	.02380	2.48390	-.18650	-.15600	.43680	-.27440	.16240	.71130
.604	4.840	.19330	.06520	.02140	2.96260	-.18270	-.15100	.37470	-.29860	.07600	.67330
.603	5.590	.22790	.06760	.02120	3.37220	-.18030	-.14880	.34000	-.29540	.04460	.63540
.603	6.360	.26310	.07040	.01960	3.73420	-.18320	-.15090	.39470	-.25580	.13880	.65360
.600	7.110	.30590	.07500	.01980	4.07570	-.18350	-.15170	.40280	-.23250	.17020	.63540
.600	7.860	.34150	.07940	.01860	4.29820	-.18310	-.14690	.38360	-.22900	.15450	.61270
.600	8.630	.37780	.08480	.01940	4.45170	-.18640	-.14880	.35160	-.29130	.06030	.64300
.602	9.390	.41510	.09080	.01770	4.56910	-.18920	-.15530	.37240	-.20990	.16240	.58230
.603	10.130	.45220	.09790	.01710	4.61870	-.17680	-.13920	.38050	-.18660	.19380	.56720
.601	10.910	.49010	.10610	.01710	4.61710	-.18860	-.15010	.33840	-.16810	.17020	.50650
.601	11.670	.53000	.11580	.02020	4.57540	-.19170	-.15760	.36490	-.19460	.17020	.55960
.602	12.410	.56790	.12670	.01820	4.48190	-.18910	-.15650	.35420	-.14470	.20950	.49890
.602	13.170	.60530	.14210	.01680	4.25720	-.19350	-.15650	.34220	-.17190	.17020	.51410
.601	13.900	.64330	.16070	.01440	4.00160	-.19340	-.15240	.28850	-.14970	.13880	.43820
.600	14.650	.67390	.17990	.01290	3.74610	-.19930	-.15510	.21200	-.11240	.09960	.32450
.600	15.400	.70940	.20010	.01300	3.54460	-.21210	-.16900	.12290	-.13330	-.01030	.25620
.600	16.120	.74210	.21930	.01100	3.38400	-.20820	-.16220	.02690	-.10790	-.08100	.13490
.598	16.870	.77350	.24050	.01130	3.21590	-.22440	-.17570	-.11920	-.08730	-.20660	-.03190
.599	17.590	.81560	.26640	.00770	3.06090	-.22300	-.17610	-.25030	-.08190	-.33230	-.16840
.599	18.310	.84910	.29010	.00280	2.92620	-.22810	-.19460	-.27310	-.05920	-.33230	-.21390
.599	19.050	.88910	.31650	.00000	2.80880	-.23480	-.20050	-.35420	-.06440	-.41860	-.28970
.598	19.740	.92460	.34080	-.00180	2.71310	-.24050	-.21770	-.38500	-.06500	-.45000	-.32000
.597	20.320	.95530	.36180	-.00330	2.64020	-.24680	-.22810	-.44380	-.11610	-.56000	-.32760

LA67 (LTV 552) ORBITER 49-0

(SFD021)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	.000
SPOBRK	=	25.000	RN/L	=	7.500
GRITNO	=	120.000	RCSPOS	=	.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 29/ 0 RN/L = 7.65

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.612	-4.230	-.39090	.08500	.11170	-4.59560	-.14860	-.13470	-9.13760	-.20990	-9.34750	-8.92760
.610	-3.850	-.37260	.08220	.11000	-4.52910	-.14900	-.13280	-9.13730	-.19440	-9.33180	-8.94280
.609	-3.220	-.34150	.07830	.10820	-4.36220	-.14960	-.13190	-9.16370	-.16020	-9.32390	-9.00350
.608	-2.590	-.31160	.07480	.10780	-4.16520	-.14940	-.13090	-9.12940	-.18660	-9.31610	-8.94280
.607	-2.030	-.28470	.07200	.10660	-3.95290	-.15030	-.12860	-9.14100	-.18290	-9.32390	-8.95800
.606	-1.480	-.25850	.06950	.10560	-3.71680	-.15060	-.12750	-9.13320	-.18280	-9.31610	-8.95040
.604	-.940	-.23280	.06770	.10480	-3.43810	-.15560	-.13280	-9.15590	-.15230	-9.30820	-9.00350
.604	-.390	-.20720	.06540	.10450	-3.16710	-.15560	-.13050	-9.12530	-.16720	-9.29250	-8.95800
.604	.130	-.18220	.06380	.10330	-2.85430	-.15340	-.12610	-9.13270	-.15190	-9.28470	-8.98070
.604	.670	-.15860	.06250	.10300	-2.53670	-.15530	-.12800	-9.12090	-.14010	-9.26110	-8.98070
.605	1.230	-.13360	.06090	.10280	-2.19290	-.15600	-.12550	-9.11690	-.12850	-9.24540	-8.98830
.606	1.770	-.10740	.05990	.10200	-1.79280	-.15520	-.12210	-9.16320	-.12930	-9.29250	-9.03380
.606	2.310	-.08360	.05930	.10270	-1.41040	-.15830	-.12380	-9.15590	-.15230	-9.30820	-9.00350
.606	2.860	-.05970	.05850	.10200	-1.01920	-.15860	-.12280	-9.11690	-.12850	-9.24540	-8.98330
.606	3.400	-.03280	.05830	.10190	-.56180	-.15970	-.12220	-9.13960	-.10570	-9.24540	-9.03380
.606	3.940	-.00890	.05810	.10090	-.15430	-.15960	-.11920	-9.15910	-.11770	-9.27680	-9.04140
.607	4.490	.01520	.05810	.10050	.26240	-.15870	-.11610	-9.11700	-.13620	-9.25330	-8.98070
.609	5.050	.04420	.05830	.09990	.75780	-.15580	-.11290	-9.17090	-.12940	-9.30040	-9.04140
.609	5.600	.06770	.05870	.09900	1.15320	-.15330	-.11360	-9.11270	-.10910	-9.22190	-9.00350
.608	6.130	.09130	.05950	.09850	1.53330	-.15880	-.11520	-9.14410	-.14050	-9.28470	-9.00350
.610	6.680	.11800	.06060	.09840	1.94520	-.15520	-.11330	-9.15130	-.10980	-9.26110	-9.04140
.609	7.230	.14580	.06210	.09820	2.34730	-.15690	-.11170	-9.14410	-.14050	-9.28470	-9.00350
.611	7.800	.17300	.06390	.09740	2.70400	-.15380	-.10690	-9.13950	-.09800	-9.23760	-9.04140
.611	8.350	.20030	.06630	.09700	3.02050	-.15200	-.10830	-9.12810	-.10940	-9.23760	-9.01870
.609	8.880	.22650	.06880	.09700	3.29180	-.15740	-.11050	-9.13640	-.14040	-9.27680	-8.99590
.610	9.440	.25350	.07160	.09710	3.53710	-.15180	-.10920	-9.11230	-.08600	-9.19830	-9.02620
.607	9.980	.27890	.07530	.09790	3.70230	-.16080	-.11040	-9.12770	-.08620	-9.21400	-9.04140
.608	10.520	.30410	.07890	.09760	3.85240	-.15910	-.11090	-9.15560	-.13690	-9.29250	-9.01870
.607	11.070	.33190	.08370	.09820	3.96120	-.15650	-.11290	-9.13990	-.12120	-9.26110	-9.01870
.608	11.610	.35900	.08830	.09780	4.06200	-.15750	-.10940	-9.13970	-.11350	-9.25330	-9.02620
.608	12.150	.38480	.09420	.09830	4.08260	-.15750	-.10920	-9.15910	-.11770	-9.27680	-9.04140
.607	12.720	.41180	.10080	.09940	4.08200	-.15710	-.11280	-9.15190	-.14840	-9.30040	-9.00350
.606	13.250	.44240	.10930	.09980	4.04440	-.16280	-.11990	-9.13500	-.06320	-9.19830	-9.07170
.608	13.780	.46570	.11860	.09750	3.92490	-.16210	-.11470	-9.12420	-.10550	-9.22970	-9.01870
.605	14.340	.49730	.13140	.09690	3.78470	-.16840	-.12250	-9.15500	-.10600	-9.26110	-9.04900
.606	14.860	.52020	.14290	.09560	3.63900	-.17020	-.12360	-9.16660	-.10240	-9.26900	-9.06420
.608	15.410	.54820	.15660	.09400	3.49910	-.17320	-.12190	-9.15110	-.10210	-9.25330	-9.04900
.605	15.940	.57620	.17040	.09340	3.38140	-.17630	-.12960	-9.22070	-.11100	-9.33180	-9.10970
.606	16.470	.59820	.18350	.09180	3.25870	-.17710	-.12830	-9.19270	-.05270	-9.24540	-9.14000
.606	17.000	.62430	.19860	.09050	3.14210	-.18290	-.12790	-9.20100	-.08370	-9.28470	-9.11720
.605	17.540	.64940	.21400	.08860	3.03360	-.18380	-.13270	-9.25050	-.04980	-9.30040	-9.20070
.604	18.050	.68080	.23170	.08590	2.93820	-.19240	-.14310	-9.20810	-.05290	-9.26110	-9.15520

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD021)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 29/ 0 RN/L = 7.65

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.606	18.590	.70740	.24840	.08270	2.64780	-.18840	-.14340	-9.28180	-.07350	-9.35540	-9.20820
.606	19.100	.73230	.26480	.08010	2.76740	-.19380	-.14810	-9.32030	-.06650	-9.38680	-9.25370
.605	19.610	.76210	.28310	.07680	2.69170	-.20020	-.15620	-9.32840	-.08970	-9.41820	-9.23860
.605	20.130	.79290	.30170	.07490	2.62740	-.20060	-.16060	-9.37830	-.07900	-9.45740	-9.29930
.605	20.610	.81890	.31840	.07330	2.57170	-.20210	-.16690	-9.36680	-.08270	-9.44960	-9.28410
.604	20.980	.83980	.33200	.07270	2.52910	-.21050	-.17360	-9.34720	-.06310	-9.41030	-9.28410

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD521)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1029/ 0 RN/L = 7.50

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.601	-4.240	-.38530	.08430	.10870	-4.56910	-.15530	-.13040	-9.20520	-.10300	-9.30820	-9.10210
.600	-4.000	-.37460	.08290	.10770	-4.51700	-.15480	-.12700	-9.20930	-.12240	-9.33180	-9.08690
.598	-3.750	-.36350	.08140	.10750	-4.46200	-.15840	-.13250	-9.22050	-.09560	-9.31610	-9.12480
.599	-3.410	-.34740	.07920	.10630	-4.38540	-.15600	-.12810	-9.19380	-.11440	-9.30820	-9.07930
.599	-2.990	-.32470	.07650	.10510	-4.24480	-.15310	-.12920	-9.21640	-.08390	-9.30040	-9.13240
.600	-2.490	-.30080	.07380	.10450	-4.07220	-.15110	-.12850	-9.22790	-.08030	-9.30820	-9.14760
.599	-1.950	-.27350	.07110	.10410	-3.84480	-.15150	-.12900	-9.23280	-.13820	-9.37110	-9.09450
.598	-1.400	-.25080	.06880	.10330	-3.64090	-.15590	-.13000	-9.22140	-.14960	-9.37110	-9.07170
.598	-.860	-.22680	.06660	.10220	-3.40240	-.15530	-.12790	-9.28310	-.15070	-9.43390	-9.13240
.600	-.310	-.19890	.06450	.10120	-3.08130	-.15210	-.12430	-9.29520	-.17790	-9.47310	-9.11720
.598	.240	-.17340	.06290	.10110	-2.75500	-.15780	-.12610	-9.21760	-.15340	-9.37110	-9.06420
.598	.800	-.14910	.06140	.10070	-2.42610	-.15760	-.12580	-9.29140	-.18170	-9.47310	-9.10970
.600	1.350	-.12210	.06000	.10020	-2.03290	-.15310	-.12060	-9.28330	-.15840	-9.44170	-9.12480
.599	1.930	-.09730	.05910	.10010	-1.64590	-.15670	-.12150	-9.27260	-.20840	-9.48100	-9.06420
.601	2.490	-.07080	.05820	.09960	-1.21570	-.15570	-.11390	-9.25670	-.18490	-9.44170	-9.07170
.599	3.070	-.04480	.05780	.09960	-.77550	-.15730	-.11790	-9.26880	-.21220	-9.48100	-9.05660
.602	3.640	-.01780	.05730	.09900	-.31070	-.15220	-.11190	-9.22170	-.16500	-9.38680	-9.05660
.602	4.220	.00780	.05720	.09810	.13630	-.15490	-.10900	-9.24510	-.18090	-9.42600	-9.06420
.603	4.790	.03520	.05740	.09740	.61320	-.15430	-.10630	-9.25220	-.16560	-9.41820	-9.08690
.601	5.390	.06150	.05810	.09700	1.05900	-.15750	-.11080	-9.22560	-.16900	-9.39460	-9.05660
.604	5.950	.08860	.05850	.09580	1.47970	-.15220	-.10640	-9.29550	-.19330	-9.48890	-9.10210
.603	6.550	.11430	.05960	.09600	1.91670	-.15740	-.11130	-9.28030	-.20850	-9.48890	-9.07170
.605	7.130	.14250	.06090	.09490	2.34010	-.15260	-.10830	-9.29150	-.18940	-9.48100	-9.10210
.605	7.720	.17240	.06290	.09570	2.74110	-.15300	-.10810	-9.23360	-.18450	-9.41820	-9.04900
.607	8.310	.19920	.06520	.09510	3.05640	-.15330	-.10540	-9.29140	-.18170	-9.47310	-9.10970
.605	8.920	.23070	.06870	.09610	3.35730	-.15980	-.10700	-9.26080	-.19660	-9.45740	-9.06420
.607	9.510	.25910	.07180	.09570	3.60520	-.15700	-.10590	-9.28720	-.16230	-9.44960	-9.12480
.608	10.110	.28970	.07620	.09640	3.79920	-.15470	-.10950	-9.28000	-.19310	-9.47310	-9.08690
.607	10.720	.31860	.08100	.09670	3.93140	-.15920	-.11060	-9.27240	-.20070	-9.47310	-9.07170
.610	11.300	.34530	.08600	.09600	4.01400	-.15660	-.10760	-9.31040	-.16270	-9.47310	-9.14760
.611	11.910	.37660	.09260	.09690	4.06380	-.16050	-.10840	-9.28720	-.16230	-9.44960	-9.12480
.609	12.520	.40840	.10060	.09770	4.05800	-.16330	-.11820	-9.30330	-.20120	-9.50460	-9.10210
.609	13.140	.43880	.10970	.09700	3.99840	-.16680	-.12110	-9.31820	-.17060	-9.48890	-9.11760
.611	13.740	.46790	.12030	.09630	3.88810	-.16500	-.12250	-9.31370	-.13580	-9.44960	-9.17790
.610	14.360	.50050	.13390	.09470	3.73600	-.17020	-.12300	-9.29790	-.11240	-9.41030	-9.18550
.609	14.980	.53360	.14880	.09410	3.58460	-.17600	-.12900	-9.33390	-.18630	-9.52030	-9.14760
.610	15.570	.56050	.16300	.09230	3.43820	-.17920	-.12740	-9.34080	-.14010	-9.48100	-9.20070
.608	16.190	.59310	.17970	.09050	3.30040	-.18630	-.13590	-9.34410	-.10550	-9.44960	-9.23860
.608	16.800	.62140	.19590	.08860	3.17080	-.18990	-.13910	-9.36340	-.10970	-9.47310	-9.25370
.609	17.410	.64910	.21300	.08660	3.04660	-.19120	-.13850	-9.35220	-.12870	-9.48100	-9.22340
.607	18.030	.68530	.23360	.08470	2.93300	-.19690	-.14770	-9.34800	-.10940	-9.45740	-9.23860
.607	18.640	.71760	.25320	.08130	2.83350	-.19990	-.15410	-9.37510	-.11370	-9.48890	-9.26130

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0521)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSMP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1029/ 0 RN/L = 7.60

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.607	19.220	.74890	.27270	.07810	2.74560	-.20280	-.15890	-9.39010	-.09080	-9.48100	-9.29930
.606	19.780	.77910	.29220	.07490	2.66590	-.20690	-.16580	-9.40540	-.08340	-9.48890	-9.32200
.607	20.320	.80480	.30980	.07390	2.59790	-.20650	-.16770	-9.41330	-.09120	-9.50460	-9.32200
.605	20.730	.82880	.32530	.07270	2.54760	-.20990	-.17080	-9.43260	-.09540	-9.52810	-9.33720
.605	21.000	.84170	.33420	.07240	2.51800	-.20960	-.17310	-9.42070	-.07590	-9.49670	-9.34480

LA67 (LTV 552) ORBITER 49-0

(SFD022)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPOS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 17/ 0 RN/L = 10.07

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.907	-.090	-.18940	.09100	.12550	-2.07050	-.20870	-.17480	-7.61720	.02870	-7.58840	-7.64600
.904	.240	-.17030	.08950	.12290	-1.90240	-.21010	-.17740	-7.63300	.00530	-7.62770	-7.63840
.904	.920	-.13000	.08700	.11910	-1.49370	-.20850	-.17260	-7.60650	-.02110	-7.62770	-7.58530
.902	1.650	-.08650	.08580	.11460	-1.00760	-.20900	-.17280	-7.61800	-.01750	-7.63550	-7.60050
.902	2.300	-.04790	.08570	.10930	-.55880	-.21190	-.17620	-7.64170	-.04880	-7.69050	-7.59290
.902	2.910	-.00620	.08670	.10470	-.07250	-.21100	-.17500	-7.63720	-.01400	-7.65130	-7.62320
.903	3.530	.03120	.08810	.09920	.35430	-.20870	-.16840	-7.68730	-.01100	-7.69840	-7.67630
.903	4.160	.07310	.09030	.09380	.80950	-.20960	-.16830	-7.70280	-.01120	-7.71410	-7.69150
.903	4.780	.11110	.09400	.08930	1.18230	-.20690	-.16440	-7.68380	-.03020	-7.71410	-7.65360
.904	5.400	.14630	.09780	.08570	1.49550	-.20690	-.16550	-7.74530	-.01580	-7.76120	-7.72940
.903	6.000	.17790	.10270	.08420	1.73170	-.20620	-.16300	-7.71790	.00380	-7.71410	-7.72180
.904	6.610	.20700	.10730	.08260	1.92920	-.20490	-.15960	-7.73030	-.03870	-7.76900	-7.69150
.903	7.220	.24070	.11260	.07860	2.13620	-.20640	-.16010	-7.78810	-.03590	-7.82400	-7.75220
.904	7.830	.26550	.11780	.07820	2.25420	-.20440	-.16300	-7.76050	-.00070	-7.76120	-7.75970
.904	8.450	.29330	.12460	.07790	2.35280	-.20430	-.15930	-7.81020	.02540	-7.78480	-7.83560
.903	9.050	.31960	.13160	.07780	2.42780	-.20500	-.15920	-7.79920	-.00910	-7.80830	-7.79010
.902	9.650	.34680	.13900	.07620	2.49410	-.20710	-.16280	-7.81820	.00980	-7.80830	-7.82800
.902	10.260	.37840	.14810	.07580	2.55460	-.20760	-.16470	-7.81060	.00220	-7.80830	-7.81280
.903	10.860	.40550	.15750	.07350	2.57350	-.20930	-.16770	-7.82210	.00590	-7.81620	-7.82800
.901	11.460	.43350	.16760	.07030	2.58550	-.21290	-.16890	-7.83750	.00560	-7.83190	-7.84320
.900	12.070	.46200	.17880	.06900	2.58320	-.21900	-.17620	-7.85630	.03230	-7.82400	-7.88870
.902	12.690	.48640	.19010	.06840	2.55850	-.21750	-.17490	-7.82980	.00570	-7.82400	-7.83560
.900	13.280	.51160	.20170	.06820	2.53690	-.22670	-.18060	-7.83700	.03650	-7.80050	-7.87350
.901	13.860	.53560	.21360	.06570	2.50700	-.23000	-.18400	-7.88750	.01630	-7.87110	-7.90380
.902	14.450	.55880	.22620	.06180	2.46940	-.23420	-.19060	-7.95340	-.00400	-7.95750	-7.94930
.900	15.080	.58690	.24140	.05920	2.43080	-.23790	-.19820	-7.98020	.00700	-7.97320	-7.98730
.901	15.680	.61240	.25580	.05770	2.39340	-.24340	-.20430	-8.01900	-.00130	-8.02030	-8.01760
.903	16.250	.63320	.26890	.05690	2.35470	-.24660	-.21020	-8.03390	.02920	-8.00460	-8.06310
.901	16.860	.65780	.28420	.05730	2.31400	-.25240	-.21910	-8.09590	.01270	-8.08320	-8.10860
.903	17.450	.68070	.29950	.05840	2.27270	-.25820	-.22370	-8.07290	.00540	-8.06750	-8.07830
.901	18.050	.70300	.31500	.06050	2.23150	-.26570	-.23970	-8.12700	-.00320	-8.13030	-8.12380
.900	18.640	.72520	.33120	.06330	2.18970	-.27490	-.25110	-8.13510	-.02650	-8.16170	-8.10860
.901	19.220	.74110	.34540	.06600	2.14540	-.28260	-.26570	-8.16950	-.00780	-8.17740	-8.16170
.901	19.790	.75760	.36020	.06870	2.10290	-.29300	-.28060	-8.20410	.00310	-8.20100	-8.20720
.901	20.360	.77310	.37490	.07200	2.06180	-.30280	-.29530	-8.23890	-.00130	-8.24020	-8.23750
.900	20.920	.78820	.38980	.07540	2.02180	-.31420	-.30720	-8.24270	.00240	-8.24020	-8.24510
.899	21.460	.80500	.40570	.08110	1.98380	-.32860	-.31830	-8.25000	.02540	-8.22450	-8.27540
.899	21.840	.81260	.41530	.08610	1.95630	-.33550	-.32510	-8.27380	-.01350	-8.28730	-8.26030

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD022)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	.000
SPDRK	=	25.000	RN/L	=	10.000
GRITNO	=	120.000	RCSP05	=	.000
BETA	=	.000	ALFSWP	=	1.000
BOFLAP	=	.000	RUODER	=	.000

RUN NO. 26/ 0 RN/L = 10.25

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.195	-.030	-.10200	.15800	.09280	-.64240	-.31930	-.37510	-7.46150	-.11120	-7.57270	-7.35020
1.199	.580	-.06430	.15720	.08290	-.40720	-.31500	-.37000	-7.48110	-.13080	-7.61200	-7.35020
1.202	1.330	-.01900	.15630	.07210	-.12180	-.31520	-.36650	-7.47740	-.14230	-7.61980	-7.33500
1.201	2.020	.02550	.15740	.06310	.16240	-.31770	-.36200	-7.51170	-.11590	-7.62770	-7.39570
1.202	2.670	.06540	.15900	.05430	.41110	-.31960	-.35750	-7.51250	-.16220	-7.67480	-7.35020
1.199	3.270	.10140	.16140	.04770	.62850	-.32230	-.35900	-7.53540	-.14720	-7.68270	-7.38810
1.197	3.890	.13750	.16480	.04050	.83440	-.32530	-.35900	-7.52350	-.12770	-7.65120	-7.39570
1.196	4.530	.17280	.16810	.03440	1.02750	-.32940	-.36250	-7.56950	-.11310	-7.68270	-7.45640
1.196	5.140	.20830	.17270	.02680	1.20550	-.33020	-.35910	-7.60110	-.15220	-7.75330	-7.44880
1.197	5.780	.24290	.17760	.02030	1.36750	-.33130	-.35970	-7.60910	-.11380	-7.72190	-7.49430
1.197	6.380	.27660	.18320	.01500	1.50930	-.33330	-.35820	-7.63850	-.08340	-7.72190	-7.55500
1.197	7.010	.30910	.18940	.01070	1.63120	-.33600	-.35820	-7.68450	-.06880	-7.75330	-7.61560
1.197	7.640	.34120	.19620	.00610	1.73890	-.33710	-.36140	-7.71120	-.05000	-7.76120	-7.66120
1.198	8.260	.37410	.20360	.00360	1.83720	-.34020	-.36740	-7.74600	-.05440	-7.80050	-7.69150
1.198	8.890	.40550	.21120	-.00040	1.91930	-.34190	-.36690	-7.75820	-.08940	-7.84760	-7.66870
1.197	9.520	.43880	.21980	-.00280	1.99590	-.34590	-.36810	-7.82360	-.07890	-7.90250	-7.74460
1.196	10.130	.47220	.22990	-.00620	2.05380	-.34800	-.36620	-7.83860	-.05610	-7.89470	-7.78250
1.196	10.750	.50390	.24020	-.00840	2.09710	-.35180	-.36960	-7.88480	-.04910	-7.93400	-7.83560
1.196	11.390	.53460	.25140	-.00980	2.12640	-.35830	-.37390	-7.93190	-.09630	-8.02820	-7.83560
1.195	12.010	.56590	.26340	-.01170	2.14810	-.36200	-.37270	-8.05150	-.09450	-8.14600	-7.95690
1.197	12.640	.59480	.27510	-.01480	2.16210	-.36490	-.37290	-8.16010	-.12720	-8.28730	-8.03280
1.197	13.270	.62630	.28840	-.01780	2.17100	-.36850	-.36720	-8.36150	-.17710	-8.53860	-8.18440
1.196	13.880	.65810	.30350	-.02110	2.16810	-.37090	-.36350	-8.56330	-.24230	-8.80560	-8.32090
1.196	14.500	.68640	.31840	-.02290	2.15560	-.37580	-.36320	-8.73860	-.34180	-9.08050	-8.39680
1.196	15.130	.71200	.33300	-.02350	2.13820	-.38070	-.36140	-8.88470	-.31350	-9.18830	-8.57120
1.195	15.740	.74100	.34940	-.02560	2.12070	-.38450	-.36260	-9.07000	-.31670	-9.38680	-8.75320
1.194	16.350	.77080	.36680	-.02920	2.10110	-.38900	-.36850	-9.39200	-.19890	-9.59090	-9.19310
1.194	16.970	.79820	.38380	-.03010	2.07970	-.39090	-.37110	-9.50590	-.09280	-9.59880	-9.41300
1.193	17.570	.82250	.40060	-.03160	2.05330	-.39560	-.37730	-9.68300	-.07280	-9.75590	-9.61020
1.194	18.190	.84300	.41650	-.03090	2.02420	-.39790	-.37930	-9.85690	-.08740	-9.94430	-9.76940
1.194	18.780	.86490	.43320	-.03100	1.99660	-.40240	-.38610	-10.00070	-.14780	-10.14850	-9.85290
1.194	19.370	.88460	.44970	-.02990	1.96710	-.40330	-.38880	-10.13530	-.12310	-10.25840	-10.01210
1.194	19.960	.90540	.46730	-.02820	1.93730	-.40700	-.39420	-10.50250	.05560	-10.44690	-10.55820
1.195	20.560	.92240	.48430	-.02670	1.90460	-.40630	-.39710	-11.47540	.90280	-10.57260	-12.37830
1.195	21.120	.93890	.50140	-.02500	1.87230	-.41010	-.40480	-10.62890	-.10860	-10.73750	-10.52020

LA67 (LTV 552) ORBITER 49-0

(SFD023)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 28/ 0 RN/L = 7.71

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.616	-4.200	-.15350	.06660	-.00890	-2.30410	-.17890	-.15860	5.08570	-.05440	5.03120	5.14020
.617	-3.910	-.14050	.06550	-.00920	-2.14220	-.17470	-.15160	5.10470	-.07340	5.03120	5.17810
.616	-3.290	-.11220	.06430	-.00860	-1.74550	-.17500	-.15080	5.09700	-.07350	5.02340	5.17050
.614	-2.630	-.08120	.06340	-.00820	-1.27990	-.17900	-.15400	5.05880	-.05100	5.00770	5.10990
.615	-2.060	-.05520	.06250	-.00870	-.88330	-.17510	-.15180	5.07810	-.04680	5.03120	5.12500
.614	-1.510	-.03200	.06250	-.00850	-.51260	-.17640	-.14740	5.06160	-.10890	4.95270	5.17050
.613	-.990	-.00660	.06200	-.00890	-.10670	-.17610	-.15040	5.10080	-.07730	5.02340	5.17810
.613	-.440	.01600	.06190	-.00880	.25850	-.17840	-.14730	5.09330	-.06200	5.03120	5.15540
.611	.100	.04140	.06230	-.00860	.66390	-.18240	-.14970	5.09710	-.06580	5.03120	5.16290
.611	.650	.06660	.06270	-.00900	1.06270	-.17930	-.14550	5.07000	-.07010	4.99980	5.14020
.612	1.180	.09120	.06300	-.01030	1.44790	-.17760	-.14100	5.07040	-.04700	5.02340	5.11740
.610	1.740	.11680	.06400	-.01100	1.82470	-.17950	-.14500	5.04710	-.05510	4.99200	5.10230
.611	2.280	.14190	.06500	-.01160	2.18440	-.17990	-.14590	5.04330	-.05130	4.99200	5.09470
.611	2.820	.16890	.06620	-.01210	2.55100	-.18010	-.14710	5.04320	-.05900	4.98410	5.10230
.611	3.370	.19480	.06760	-.01250	2.89150	-.17750	-.14310	5.05430	-.08580	4.96840	5.14020
.611	3.920	.22020	.06950	-.01250	3.16890	-.17830	-.13790	5.04230	-.11310	4.92910	5.15540
.612	4.460	.24530	.07110	-.01280	3.44750	-.17590	-.13750	5.04620	-.10910	4.93700	5.15540
.614	5.010	.26950	.07330	-.01370	3.67380	-.17480	-.13140	5.06990	-.07790	4.99200	5.14780
.612	5.570	.29710	.07620	-.01400	3.89590	-.17810	-.13350	5.07390	-.06620	5.00770	5.14020
.614	6.100	.32280	.07850	-.01550	4.11010	-.17050	-.13030	5.05900	-.03560	5.02340	5.09470
.613	6.660	.34730	.08170	-.01630	4.24800	-.17230	-.12840	5.00830	-.07120	4.93700	5.07950
.614	7.190	.37470	.08510	-.01720	4.39870	-.17410	-.12980	5.05150	-.02800	5.02340	5.07950
.614	7.760	.40300	.08920	-.01760	4.51710	-.17270	-.12650	5.05090	-.05890	4.99200	5.10990
.614	8.300	.43250	.09380	-.01830	4.60870	-.16980	-.12750	5.04320	-.05900	4.98410	5.10230
.613	8.850	.45700	.09870	-.01780	4.62800	-.17280	-.13040	5.00470	-.05200	4.95270	5.05680
.613	9.400	.48610	.10440	-.01810	4.65580	-.17350	-.12930	5.01190	-.08270	4.92910	5.09470
.613	9.930	.51170	.10990	-.01810	4.65580	-.17410	-.12590	5.02020	-.05170	4.96840	5.07190
.614	10.490	.53790	.11610	-.01680	4.63280	-.17120	-.12540	4.98160	-.05240	4.92910	5.03400
.613	11.050	.56510	.12320	-.01620	4.58570	-.17420	-.12530	4.98160	-.05240	4.92910	5.03400
.613	11.600	.59250	.13090	-.01580	4.52680	-.17320	-.12530	4.96170	-.08750	4.87420	5.04920
.612	12.130	.62280	.14020	-.01610	4.44000	-.17760	-.12930	4.89870	-.15800	4.74070	5.05680
.612	12.680	.65150	.15120	-.01680	4.30700	-.18120	-.13430	4.86750	-.18170	4.68570	5.04920
.612	13.220	.67890	.16330	-.01720	4.15670	-.17870	-.13170	4.82140	-.16710	4.65430	4.98850
.612	13.760	.70080	.17620	-.01840	3.97670	-.18240	-.13400	4.80910	-.20970	4.59930	5.01890
.612	14.320	.72390	.19070	-.01870	3.79520	-.18300	-.13690	4.73530	-.23800	4.49720	4.97340
.612	14.860	.74670	.20530	-.01940	3.63690	-.18640	-.14130	4.70380	-.27710	4.42660	4.98090
.610	15.360	.77020	.22050	-.02070	3.49240	-.19260	-.14670	4.70360	-.28490	4.41870	4.98850
.610	15.910	.79450	.23650	-.02180	3.35920	-.19420	-.14850	4.64530	-.31290	4.33280	4.95820
.610	16.430	.82150	.25390	-.02420	3.23560	-.20460	-.16170	4.59490	-.32530	4.26950	4.92030
.609	16.960	.84360	.27080	-.02640	3.11500	-.20620	-.16610	4.54190	-.26450	4.27740	4.80650
.610	17.520	.87260	.29070	-.02930	3.00180	-.20830	-.17200	4.51840	-.28910	4.23020	4.80650
.609	18.050	.90420	.31090	-.03330	2.90830	-.21570	-.17980	4.46070	-.27750	4.18310	4.73830

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD023)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

		RUN NO.	28/ 0	RN/L =	7.71						
MACH	ALPHA	CL	CD	CLM	L/D	GPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.609	18.560	.93190	.33030	-.03680	2.82150	-.22550	-.19000	4.40720	-.24760	4.15960	4.65480
.610	19.100	.95800	.35030	-.03970	2.73480	-.22440	-.19330	4.35360	-.22540	4.12810	4.57900
.610	19.610	.98610	.36950	-.04300	2.66830	-.22730	-.19560	4.29450	-.29200	4.00250	4.58660
.611	20.110	1.01190	.38760	-.04490	2.61060	-.23180	-.20210	4.28740	-.26130	4.02610	4.54870
.611	20.600	1.03710	.40610	-.04590	2.55360	-.23320	-.21030	4.27260	-.22290	4.04960	4.49560
.609	21.010	1.06310	.42360	-.04740	2.50950	-.24250	-.22150	4.24160	-.23120	4.01040	4.47280
.609	21.240	1.07530	.43310	-.04700	2.48250	-.24340	-.22510	4.24120	-.25430	3.98680	4.49560

LA67 (LTV 552) ORBITER 49-0

(SFD523)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	.000
SPOBRK	=	25.000	RN/L	=	7.500
GRITNO	=	120.000	RCSPOS	=	.000
BETA	=	.000	ALFSWP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1028/ 0 RN/L = 7.66

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.606	-4.050	-.14680	.06550	-.00780	-2.23930	-.17840	-.15320	4.76470	-.10250	4.66210	4.86720
.605	-3.570	-.12440	.06430	-.00780	-1.93420	-.17680	-.15120	4.77560	-.13700	4.63860	4.91270
.605	-2.710	-.08620	.06280	-.00770	-1.37260	-.17630	-.14910	4.78710	-.14070	4.64640	4.92790
.603	-1.840	-.03950	.06180	-.00810	-.64000	-.18470	-.15050	4.80340	-.09410	4.70930	4.89750
.605	-.560	.01020	.06110	-.00850	.16720	-.17520	-.14790	4.72570	-.12630	4.59930	4.85200
.603	.560	.05990	.06160	-.00840	.97290	-.17970	-.15080	4.76780	-.14490	4.62290	4.91270
.603	1.670	.11170	.06270	-.01010	1.78040	-.17960	-.14460	4.75600	-.15660	4.59930	4.91270
.606	2.780	.16310	.06460	-.01080	2.52330	-.17310	-.13620	4.72170	-.13020	4.59150	4.85200
.607	3.900	.21540	.06770	-.01150	3.17840	-.17070	-.13240	4.70180	-.16530	4.53650	4.86720
.606	5.010	.26780	.07210	-.01300	3.71210	-.17740	-.13160	4.71730	-.16500	4.55220	4.88240
.609	6.150	.32240	.07750	-.01360	4.16000	-.17380	-.12860	4.66990	-.22760	4.44230	4.89750
.609	7.320	.37740	.08440	-.01500	4.46860	-.17410	-.12900	4.63580	-.19340	4.44230	4.82930
.612	8.480	.43520	.09360	-.01580	4.64840	-.17020	-.12650	4.59260	-.23660	4.35590	4.82930
.614	9.660	.49400	.10520	-.01550	4.69620	-.17000	-.12470	4.53760	-.29160	4.24590	4.82930
.614	10.860	.55560	.11990	-.01510	4.63250	-.17680	-.12790	4.58430	-.26770	4.31660	4.85200
.617	12.050	.61420	.13850	-.01430	4.43360	-.17800	-.12980	4.51490	-.26890	4.24590	4.78380
.617	13.250	.67400	.16440	-.01620	4.10200	-.18150	-.13810	4.45580	-.33550	4.12030	4.79130
.617	14.460	.72650	.19530	-.01820	3.71850	-.18870	-.14560	4.37560	-.28670	4.08890	4.66240
.614	15.680	.78580	.23160	-.02200	3.39210	-.20490	-.15780	4.34910	-.26020	4.08890	4.60930
.616	16.880	.84260	.27010	-.02770	3.11910	-.20690	-.17080	4.26370	-.29250	3.97110	4.55620
.615	18.090	.90400	.31260	-.03440	2.89160	-.21940	-.18600	4.22510	-.29320	3.93180	4.51830
.612	19.280	.97510	.35980	-.04310	2.70950	-.23450	-.20090	4.21830	-.23930	3.97890	4.45770
.610	20.350	1.03400	.40090	-.04700	2.57900	-.24200	-.21490	4.19500	-.24740	3.94750	4.44250
.612	21.060	1.06460	.42600	-.04740	2.49890	-.23690	-.21830	4.18280	-.28240	3.90040	4.46520

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-U

(SF0024)

PARAMETRIC DATA

ELEVON	5.000	AILRON	.000
SPDRK	25.000	RN/L	10.000
GRITNO	120.000	RCSPDS	.000
BETA	.000	ALFSNP	1.000
BOFLAP	.000	RUDDER	.000

RUN NO. 16/ 0 RN/L = 10.04

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.912	-.060	.01010	.08240	-.00220	.12310	-.23060	-.21480	5.09170	-.15460	4.93700	5.24640
.911	.200	.02120	.08240	-.00360	.25820	-.22910	-.21510	5.11430	-.18510	4.92920	5.29950
.910	.860	.06420	.08270	-.00790	.77560	-.22710	-.20790	5.11110	-.15040	4.96060	5.26150
.908	1.590	.11080	.08400	-.01270	1.31970	-.22650	-.20390	5.15320	-.16900	4.98410	5.32220
.905	2.280	.15370	.08650	-.01640	1.77760	-.22510	-.20050	5.12610	-.17330	4.95270	5.29950
.902	2.890	.18760	.08890	-.01990	2.10990	-.22660	-.20250	5.11060	-.17360	4.93700	5.28430
.900	3.490	.22140	.09180	-.02200	2.41030	-.22570	-.20040	5.11020	-.19670	4.91340	5.30700
.898	4.110	.25300	.09580	-.02270	2.63930	-.22750	-.19430	5.10700	-.16210	4.94490	5.26910
.899	4.710	.28110	.10020	-.02270	2.80370	-.22720	-.19480	5.11850	-.16570	4.95270	5.28430
.901	5.350	.31330	.10580	-.02360	2.96110	-.22480	-.19000	5.06460	-.15900	4.90560	5.22360
.899	5.950	.34280	.11180	-.02510	3.06520	-.22740	-.19370	5.07600	-.17030	4.90560	5.24640
.900	6.570	.37150	.11820	-.02530	3.14090	-.22590	-.19170	5.07170	-.19740	4.87420	5.26910
.899	7.180	.39940	.12520	-.02700	3.18800	-.22610	-.19140	5.00230	-.19090	4.81140	5.19310
.899	7.780	.42740	.13270	-.02650	3.21990	-.22980	-.19020	4.99080	-.18730	4.80350	5.17310
.902	8.420	.45480	.14140	-.02620	3.21600	-.22650	-.18720	4.97430	-.24930	4.72500	5.22360
.900	9.010	.48320	.15060	-.02850	3.20880	-.23170	-.19390	4.90120	-.23900	4.66220	5.14020
.902	9.630	.50880	.16000	-.02930	3.17870	-.22980	-.19150	4.86190	-.27820	4.58360	5.14020
.900	10.240	.54230	.17170	-.03080	3.15720	-.23520	-.18690	4.83890	-.27090	4.56790	5.10990
.900	10.840	.57080	.18310	-.03290	3.11590	-.23830	-.19970	4.80420	-.26770	4.53650	5.07190
.899	11.430	.59360	.19430	-.03390	3.05400	-.24330	-.20240	4.72610	-.32300	4.40300	5.04920
.899	12.050	.61630	.20650	-.03500	2.98400	-.24450	-.20660	4.66850	-.30480	4.36370	4.97340
.900	12.630	.64140	.21900	-.03600	2.92830	-.25000	-.20800	4.55260	-.31450	4.23810	4.86720
.899	13.240	.66490	.23290	-.03750	2.85440	-.25480	-.21390	4.42950	-.29350	4.13600	4.72310
.900	13.850	.69330	.24850	-.04130	2.78980	-.25980	-.21920	4.30210	-.29960	4.00250	4.60170
.899	14.450	.72250	.26560	-.04530	2.72040	-.26480	-.22720	4.15170	-.29830	3.85330	4.45010
.900	15.040	.75610	.28210	-.05030	2.65890	-.27180	-.23480	4.05880	-.31540	3.74330	4.37420
.899	15.650	.77700	.29920	-.05250	2.59680	-.27460	-.23920	3.90310	-.39530	3.50780	4.29840
.898	16.240	.80190	.31530	-.05310	2.54290	-.27960	-.24960	3.86380	-.43450	3.42920	4.29840
.898	16.830	.82460	.33190	-.05260	2.48450	-.28450	-.25400	3.82920	-.43130	3.39780	4.26050
.898	17.450	.84800	.34980	-.05250	2.42400	-.28990	-.26130	3.78230	-.46300	3.31930	4.24530
.899	18.040	.86960	.36680	-.05060	2.37050	-.29550	-.26350	3.76250	-.49030	3.27220	4.25290
.899	18.640	.89280	.38520	-.04820	2.31740	-.30440	-.27240	3.74750	-.46740	3.28000	4.21500
.898	19.230	.91160	.40300	-.04410	2.26150	-.31690	-.28430	3.69310	-.49150	3.20150	4.18460
.899	19.810	.92320	.41850	-.03990	2.20600	-.32810	-.30100	3.69660	-.51080	3.18580	4.20740
.897	20.370	.93950	.43590	-.03550	2.15490	-.34300	-.32920	3.65790	-.51910	3.13870	4.17710
.897	20.930	.94740	.45100	-.02950	2.10040	-.35840	-.34700	3.62670	-.53510	3.09150	4.16190
.896	21.460	.95600	.46610	-.02270	2.05070	-.37630	-.36010	3.59260	-.50100	3.09150	4.09360
.897	21.880	.96320	.47830	-.01820	2.01370	-.38780	-.37330	3.63540	-.48100	3.15440	4.11640

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD024)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSP0S =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 24/ 0 RN/L = 10.18

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.197	.000	.01970	.15020	.00550	.13140	-.34330	-.35430	5.05320	-.14760	4.90560	5.20090
1.198	.370	.04090	.15060	.00120	.27200	-.34290	-.35250	5.01860	-.14430	4.87420	5.16300
1.199	1.070	.08390	.15160	-.00630	.55340	-.33980	-.34810	5.01440	-.16370	4.85060	5.17810
1.197	1.800	.12740	.15400	-.01530	.82760	-.34080	-.34260	4.95560	-.21490	4.74070	5.17050
1.197	2.460	.16410	.15710	-.02270	1.04480	-.33900	-.33920	4.88550	-.25470	4.63070	5.14020
1.195	3.070	.19650	.16080	-.02950	1.22200	-.34020	-.33750	4.87400	-.25100	4.62290	5.12500
1.195	3.660	.23130	.16490	-.03570	1.40260	-.34410	-.33580	4.83900	-.26320	4.57580	5.10230
1.196	4.290	.26320	.17000	-.04190	1.54850	-.34250	-.33250	4.74250	-.26870	4.47370	5.01130
1.194	4.900	.29850	.17540	-.04820	1.70150	-.34500	-.33300	4.71570	-.25760	4.45800	4.97340
1.195	5.510	.33260	.18150	-.05410	1.83180	-.34710	-.33160	4.66960	-.24300	4.42660	4.91270
1.194	6.130	.36700	.18860	-.05940	1.94560	-.34940	-.33490	4.54600	-.25290	4.29310	4.79890
1.194	6.770	.39970	.19610	-.06460	2.03800	-.35030	-.33670	4.51900	-.24950	4.26950	4.76860
1.196	7.370	.42950	.20340	-.06890	2.11180	-.35200	-.33520	4.41550	-.21660	4.19880	4.63210
1.196	7.990	.46250	.21210	-.07290	2.18030	-.35380	-.34020	4.35320	-.24850	4.10460	4.60170
1.196	8.610	.49310	.22090	-.07540	2.23230	-.35800	-.34320	4.31120	-.22230	4.08890	4.53350
1.194	9.240	.52790	.23170	-.07730	2.27850	-.36080	-.34510	4.28410	-.22660	4.05750	4.51070
1.194	9.860	.55840	.24180	-.07960	2.30860	-.36210	-.35130	4.21820	-.24700	3.97110	4.46520
1.193	10.490	.58970	.25350	-.08180	2.32590	-.36780	-.35480	4.12930	-.25240	3.87680	4.38180
1.195	11.100	.62090	.26540	-.08440	2.33920	-.36710	-.35990	4.08720	-.23390	3.85330	4.32120
1.195	11.720	.65280	.27880	-.08620	2.34090	-.37160	-.36580	3.98160	-.31670	3.66480	4.29840
1.193	12.350	.68220	.29240	-.08780	2.33280	-.37720	-.37100	3.90050	-.32200	3.57840	4.22260
1.195	12.960	.70850	.30580	-.08840	2.31680	-.37970	-.37090	3.87730	-.32240	3.55490	4.19980
1.193	13.590	.73710	.32130	-.09080	2.29420	-.38580	-.37420	3.79220	-.33930	3.45280	4.13160
1.193	14.200	.76480	.33720	-.09330	2.26800	-.39100	-.38000	3.70320	-.35250	3.35070	4.05570
1.194	14.810	.79250	.35380	-.09450	2.23940	-.39250	-.38430	3.64930	-.34570	3.30360	3.99500
1.191	15.420	.82180	.37200	-.09710	2.20880	-.39770	-.39130	3.55700	-.33190	3.22500	3.88890
1.193	16.030	.84830	.38980	-.09950	2.17640	-.39980	-.39420	3.51520	-.29020	3.22500	3.80540
1.193	16.640	.87530	.40780	-.10250	2.14600	-.40280	-.39800	3.41940	-.25710	3.16220	3.67650
1.193	17.250	.90100	.42590	-.10440	2.11530	-.40530	-.40020	3.34920	-.29690	3.05230	3.64620
1.191	17.860	.92430	.44360	-.10580	2.08340	-.41040	-.40280	3.27210	-.29830	2.97380	3.57040
1.192	18.440	.94540	.46100	-.10580	2.05040	-.41270	-.40540	3.18320	-.30370	2.87950	3.48690
1.192	19.030	.96580	.47880	-.10680	2.01710	-.41710	-.41020	3.12890	-.32000	2.80880	3.44900
1.191	19.640	.98690	.49790	-.10640	1.98190	-.42320	-.41720	3.00900	-.34140	2.66750	3.35040
1.193	20.210	1.00390	.51580	-.10630	1.94630	-.42780	-.42360	2.95800	-.38470	2.57330	3.34280
1.191	20.790	1.02300	.53510	-.10560	1.91170	-.43750	-.43560	2.87690	-.39000	2.48690	3.26700
1.191	21.350	1.03970	.55330	-.10460	1.87910	-.44380	-.44150	2.79930	-.41450	2.38480	3.21390
1.191	21.850	1.05440	.56960	-.10430	1.85110	-.44690	-.44740	2.75240	-.45390	2.29840	3.20630
1.191	22.170	1.06280	.58030	-.10320	1.83140	-.44990	-.44850	2.70630	-.43930	2.26700	3.14570

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD025)

PARAMETRIC DATA

ELEVON *	5.000	AILRON *	.000
SPDRK *	25.000	RN/L *	7.500
GRITNO *	120.000	RCSPDS *	.000
BETA *	-2.000	ALFSWP *	1.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 45/ 0 RN/L = 7.67

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.615	-3.930	-.13860	.06490	-.01020	-2.13550	-.17670	-.16100	5.20320	.04780	5.25110	5.15540
.615	-3.040	-.10020	.06310	-.01010	-1.58800	-.17300	-.15580	5.15290	.03540	5.18830	5.11740
.614	-2.190	-.06260	.06230	-.01100	-1.00550	-.17830	-.15240	5.21070	.03250	5.24330	5.17810
.615	-1.420	-.02660	.06140	-.01080	-.43340	-.17250	-.15080	5.18390	.04360	5.22760	5.14020
.612	-.660	.00670	.06150	-.01160	.11010	-.18100	-.15520	5.20310	.04010	5.24330	5.16290
.611	.130	.04150	.06240	-.01160	.66620	-.17750	-.15550	5.17240	.04730	5.21970	5.12500
.612	.900	.07920	.06280	-.01170	1.26100	-.17760	-.14660	5.16890	.06650	5.23540	5.10230
.609	1.670	.11380	.06420	-.01290	1.77170	-.18810	-.15690	5.20760	.07490	5.28250	5.13260
.610	2.450	.15040	.06570	-.01350	2.28810	-.18460	-.15440	5.19570	.05540	5.25110	5.14020
.608	3.250	.18850	.06820	-.01380	2.76260	-.18570	-.15570	5.22690	.07910	5.30610	5.14780
.610	4.030	.22170	.07050	-.01500	3.14460	-.17960	-.15080	5.18860	.09390	5.28250	5.09470
.609	4.790	.25970	.07360	-.01600	3.52850	-.18380	-.15150	5.19170	.05150	5.24330	5.14020
.611	5.590	.29550	.07670	-.01640	3.85070	-.17470	-.14360	5.16940	.09740	5.26680	5.07190
.609	6.360	.33520	.08150	-.01810	4.11310	-.18450	-.14290	5.15300	.04310	5.19610	5.10390
.610	7.150	.37350	.08630	-.01830	4.32500	-.18010	-.13840	5.16100	.05870	5.21970	5.10230
.612	7.940	.40920	.09090	-.01920	4.50090	-.17780	-.13750	5.15420	.11260	5.26680	5.04160
.610	8.710	.44920	.09810	-.02020	4.57660	-.18110	-.13860	5.16180	.10500	5.26680	5.05680
.611	9.500	.48770	.10540	-.02160	4.62630	-.17600	-.12870	5.13390	.05430	5.18830	5.07950
.612	10.280	.52470	.11340	-.02120	4.62380	-.17780	-.13260	5.13400	.06210	5.19610	5.07190
.611	11.060	.56420	.12360	-.02040	4.56410	-.17750	-.12990	5.15000	.09320	5.24330	5.05680
.609	11.830	.60870	.13630	-.02060	4.46550	-.17970	-.13580	5.14200	.07760	5.21970	5.06440
.610	12.620	.64920	.15120	-.02160	4.29100	-.18950	-.14740	5.09520	.04590	5.14120	5.04920
.610	13.390	.68590	.16800	-.02280	4.08290	-.18260	-.13950	5.07570	.03400	5.10980	5.04160
.610	14.180	.72340	.18810	-.02330	3.84510	-.19030	-.14610	4.98210	-.02150	4.96060	5.00370
.609	14.950	.75550	.20840	-.02380	3.62440	-.19490	-.15060	4.90390	-.08460	4.81920	4.98850
.608	15.700	.78820	.22990	-.02550	3.42740	-.20140	-.15560	4.80270	-.13270	4.67000	4.93540
.608	16.450	.82380	.25530	-.02770	3.22640	-.20640	-.16630	4.77930	-.14850	4.63070	4.92790
.608	17.220	.85370	.27950	-.03000	3.05380	-.21540	-.17440	4.69830	-.14610	4.55220	4.84440
.607	17.970	.89340	.30740	-.03430	2.90640	-.22670	-.18850	4.65920	-.17760	4.48150	4.83680
.607	18.710	.93160	.33370	-.03700	2.79150	-.22500	-.19030	4.59450	-.12860	4.46580	4.72310
.607	19.460	.97520	.36260	-.04240	2.68940	-.23740	-.20870	4.53220	-.16050	4.37160	4.69280
.607	20.190	1.01770	.39200	-.04510	2.59560	-.25000	-.22280	4.49370	-.15350	4.34020	4.64730
.608	20.870	1.05280	.41850	-.04720	2.51520	-.25040	-.23140	4.40850	-.17040	4.23810	4.57900
.607	21.250	1.07510	.43580	-.04930	2.46670	-.25880	-.24550	4.38150	-.17470	4.20670	4.55620

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0026)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 7/ 0 RN/L = 5.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.604	-3.730	-.13670	.06850	-.01240	-1.99390	-.20240	-.18030	5.00320	1.84990	6.85310	3.15320
.602	-2.830	-.09310	.06670	-.01380	-1.39520	-.20400	-.18240	5.00290	1.83450	6.83740	3.16840
.603	-2.010	-.06130	.06570	-.01230	-.93310	-.20410	-.17970	5.00670	1.83070	6.83740	3.17600
.603	-1.250	-.02580	.06440	-.01060	-.40160	-.19370	-.16540	5.04580	1.86220	6.90810	3.18360
.602	-.480	.00940	.06450	-.01120	.14710	-.19990	-.17260	5.01080	1.84230	6.85310	3.16840
.599	.270	.05220	.06490	-.00810	.80480	-.19490	-.16830	5.03370	1.82730	6.86100	3.20630
.599	1.040	.08420	.06520	-.00790	1.29000	-.19370	-.16700	5.05720	1.85080	6.90810	3.20630
.598	1.800	.12420	.06650	-.01130	1.86620	-.19680	-.16700	5.04530	1.83130	6.87670	3.21390
.598	2.580	.15570	.06780	-.01150	2.29700	-.19270	-.15860	5.05330	1.84690	6.90030	3.20630
.598	3.340	.19160	.06960	-.01500	2.75040	-.19420	-.16180	5.04600	1.86990	6.91600	3.17600
.598	4.100	.23440	.07330	-.01540	3.19660	-.19680	-.16210	5.02650	1.85800	6.88450	3.16840
.601	4.890	.26040	.07530	-.01570	3.45460	-.19630	-.15660	5.03850	1.88520	6.92380	3.15320
.599	5.640	.30160	.07970	-.01510	3.78250	-.19760	-.15870	5.04180	1.85060	6.89240	3.19120
.601	6.420	.33760	.08320	-.01790	4.05680	-.19030	-.15300	5.05400	1.88550	6.93950	3.16340
.601	7.180	.37510	.08790	-.01610	4.26370	-.18850	-.15220	5.00770	1.88470	6.89240	3.12290
.602	7.950	.41570	.09390	-.01970	4.42480	-.18840	-.15430	5.05820	1.90490	6.96310	3.15320
.602	8.730	.45720	.10140	-.02190	4.50870	-.19330	-.15550	5.02720	1.89660	6.92380	3.13050
.600	9.490	.49670	.10910	-.02020	4.54970	-.19380	-.14720	5.00350	1.86530	6.86880	3.13810
.601	10.280	.53970	.11880	-.01970	4.54020	-.19620	-.15280	5.05380	1.87780	6.93170	3.17600
.604	11.030	.58900	.12670	-.02030	4.48890	-.19740	-.15220	5.01200	1.91180	6.92380	3.10020
.600	11.800	.62080	.14130	-.02070	4.39090	-.19800	-.14960	5.02320	1.89270	6.91600	3.13050
.601	12.560	.65890	.15490	-.02270	4.25230	-.20090	-.15960	5.00440	1.91940	6.92380	3.08500
.600	13.320	.69590	.17440	-.02570	3.98860	-.19730	-.14980	4.98150	1.93440	6.91600	3.04710
.601	14.090	.72480	.19400	-.02570	3.73550	-.20270	-.15710	4.93870	1.91440	6.85310	3.02430
.598	14.830	.76960	.21840	-.02650	3.52270	-.21110	-.17380	4.94230	1.89510	6.83740	3.04710
.597	15.570	.80480	.24080	-.03090	3.34170	-.21180	-.17740	4.86440	1.85520	6.71960	3.00910
.597	16.330	.84700	.26690	-.03370	3.17260	-.21900	-.18780	4.82630	1.88540	6.71180	2.94090
.596	17.080	.87260	.28960	-.03700	3.01300	-.22560	-.19250	4.80360	1.90810	6.71180	2.89540
.597	17.820	.91450	.31610	-.03730	2.89280	-.23230	-.20780	4.76920	1.92680	6.69610	2.84230
.596	18.560	.94640	.34090	-.03890	2.77580	-.24300	-.20880	4.74200	1.91480	6.65680	2.82710
.595	19.280	.99230	.37190	-.04060	2.66800	-.25100	-.22050	4.75780	1.93820	6.69610	2.81960
.596	19.990	1.02260	.39720	-.04350	2.57420	-.25470	-.23550	4.70740	1.92580	6.63330	2.78160
.596	20.590	1.05600	.42120	-.04070	2.50710	-.26350	-.24330	4.71900	1.92210	6.64110	2.79680

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0526)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSHP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1007/ 0 RN/L = 5.04

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.592	-4.050	-.14950	.06900	-.01340	-2.16490	-.19900	-.18240	4.87980	1.85550	6.73530	3.02430
.589	-3.750	-.13400	.06800	-.01210	-1.97080	-.20050	-.18850	4.89510	1.84800	6.74320	3.04710
.594	-3.080	-.10130	.06550	-.01530	-1.54580	-.19680	-.16790	4.90340	1.87900	6.78250	3.02430
.592	-2.090	-.05900	.06470	-.01340	-.91120	-.19410	-.16750	4.87200	1.84760	6.71960	3.02430
.592	-1.020	-.00800	.06430	-.01220	-.12560	-.19530	-.16820	4.90310	1.86360	6.76680	3.03950
.595	.050	.03740	.06370	-.01140	.58740	-.19580	-.16210	4.88770	1.86330	6.75100	3.02430
.591	1.170	.09250	.06520	-.01160	1.41720	-.19980	-.16700	4.89460	1.81710	6.71180	3.07740
.592	2.280	.14080	.06670	-.01300	2.11010	-.19990	-.16350	4.90300	1.85590	6.75890	3.04710
.592	3.400	.20140	.07010	-.01700	2.87040	-.20030	-.16530	4.91460	1.85990	6.77460	3.05470
.595	4.510	.24810	.07330	-.01640	3.38200	-.19100	-.16300	4.92260	1.87550	6.79820	3.04710
.595	5.670	.31010	.07930	-.01590	3.90830	-.19740	-.15610	4.84850	1.83180	6.68040	3.01670
.597	6.820	.36430	.08550	-.01780	4.25840	-.19440	-.16140	4.84080	1.83160	6.67250	3.00910
.597	7.990	.42370	.09480	-.01930	4.46640	-.19900	-.15150	4.87210	1.85530	6.72750	3.01670
.603	9.130	.47590	.10440	-.01960	4.55560	-.18840	-.15220	4.83760	1.86630	6.70390	2.97120
.604	10.300	.53250	.11740	-.02050	4.53260	-.19200	-.15210	4.83000	1.87390	6.70390	2.95610
.600	11.490	.60720	.13700	-.02150	4.43040	-.20060	-.16380	4.75240	1.84940	6.60180	2.90300
.602	12.700	.67040	.16110	-.02290	4.16110	-.20320	-.16260	4.73320	1.85290	6.58610	2.88020
.602	13.870	.72000	.18990	-.02490	3.79140	-.20880	-.17500	4.73680	1.84140	6.57830	2.89540
.602	15.100	.78870	.22910	-.03010	3.44160	-.21320	-.18400	4.71500	1.91820	6.63330	2.79680
.600	16.280	.84790	.26700	-.03440	3.17520	-.22740	-.20080	4.69200	1.92550	6.61750	2.76650
.599	17.480	.90600	.30820	-.03660	2.93950	-.24560	-.21780	4.71520	1.92590	6.64110	2.78920
.602	18.660	.95360	.34610	-.03940	2.75460	-.24610	-.21020	4.66470	1.90570	6.57040	2.75890
.601	19.730	1.00210	.38450	-.03980	2.60580	-.25630	-.22970	4.71120	1.92200	6.63330	2.78920
.599	20.550	1.05070	.42010	-.04150	2.50090	-.26360	-.23180	4.66060	1.89410	6.55470	2.76650
.601	20.830	1.05030	.42380	-.04230	2.47780	-.25910	-.23440	4.67600	1.89430	6.57040	2.78160

LA67 (LTV 552) ORBITER 49-0

(SFD027)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 19/ 0 RN/L = 6.22

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.901	-.030	.00890	.08090	.00030	1.11070	-.24170	-.22230	5.07700	1.87820	6.95520	3.19870
.899	.640	.04830	.08080	-.00110	.59770	-.23430	-.21710	5.12280	1.84810	6.97090	3.27460
.898	1.310	.08920	.08240	-.00560	1.08290	-.23950	-.22110	5.06900	1.86260	6.93170	3.20630
.897	1.910	.12510	.08400	-.01020	1.40840	-.23370	-.21200	5.08040	1.85120	6.93170	3.22910
.896	2.460	.15970	.08640	-.01190	1.84710	-.23410	-.21260	5.10420	1.89020	6.99450	3.21390
.897	3.000	.19030	.08930	-.01380	2.13080	-.23190	-.21200	5.12300	1.86360	6.98660	3.25940
.896	3.560	.21920	.09280	-.01740	2.36010	-.23690	-.21210	5.12630	1.82890	6.95520	3.29730
.896	4.100	.25160	.09620	-.01910	2.61480	-.22990	-.20200	5.13060	1.85600	6.98660	3.27460
.896	4.670	.27910	.10090	-.02060	2.76620	-.23550	-.20640	5.06050	1.81620	6.87670	3.24420
.896	5.210	.30290	.10570	-.02150	2.86480	-.23630	-.20720	5.10620	1.78610	6.89240	3.32010
.895	5.760	.33030	.11080	-.02320	2.98140	-.23550	-.20470	5.09880	1.80140	6.90030	3.29730
.895	6.300	.35930	.11660	-.02500	3.08030	-.23620	-.20680	5.11110	1.84410	6.95520	3.26700
.896	6.850	.38240	.12210	-.02530	3.13080	-.23420	-.20260	5.09880	1.80140	6.90030	3.29730
.895	7.380	.40690	.12850	-.02450	3.16670	-.23140	-.20310	5.07960	1.80490	6.88450	3.27160
.894	7.930	.43190	.13570	-.02540	3.18200	-.23280	-.20360	5.00860	1.71880	6.72750	3.28980
.895	8.490	.45920	.14380	-.02510	3.19370	-.23770	-.20660	4.86830	1.63920	6.50760	3.22910
.895	9.030	.48270	.15170	-.02530	3.18110	-.23960	-.20830	4.81360	1.59970	6.41340	3.21390
.895	9.570	.50360	.15980	-.02560	3.15170	-.23470	-.20110	4.78910	1.52210	6.31130	3.26700
.895	10.130	.52540	.16890	-.02550	3.10910	-.23960	-.20290	4.70320	1.45890	6.16210	3.24420
.894	10.660	.55140	.17940	-.02700	3.07290	-.24560	-.20900	4.64470	1.42310	6.06780	3.22150
.893	11.190	.57640	.19000	-.02930	3.03290	-.24680	-.21080	4.53710	1.45210	5.98930	3.08500
.895	11.740	.59930	.20040	-.03130	2.98920	-.24450	-.20670	4.47990	1.48580	5.96580	2.99400
.894	12.290	.62220	.21190	-.03090	2.93500	-.25340	-.22000	4.41000	1.46150	5.87150	2.94850
.892	12.820	.64790	.22470	-.03450	2.88250	-.25810	-.22590	4.30170	1.44410	5.74590	2.85750
.892	13.360	.67350	.23820	-.03930	2.82720	-.25710	-.22420	4.19440	1.48860	5.68300	2.70580
.891	13.890	.70190	.25380	-.04230	2.76480	-.26890	-.23830	4.09990	1.37890	5.47890	2.72100
.891	14.430	.73150	.27010	-.04840	2.70830	-.26900	-.24060	4.06590	1.42070	5.48670	2.64510
.894	14.970	.75360	.28430	-.05120	2.65050	-.27730	-.25200	3.95680	1.35710	5.31400	2.59960
.896	15.510	.77560	.29880	-.05400	2.59550	-.27490	-.24970	3.93060	1.40680	5.33750	2.52380
.895	16.040	.79890	.31380	-.05440	2.54550	-.27800	-.25620	3.86510	1.40950	5.27470	2.45550
.893	16.570	.82160	.32840	-.05320	2.50140	-.28290	-.26610	3.83740	1.36660	5.20400	2.47070
.893	17.120	.84170	.34270	-.05330	2.45570	-.28800	-.26780	3.79060	1.34260	5.13330	2.44790
.892	17.660	.86340	.35850	-.05210	2.40810	-.29610	-.27340	3.77100	1.32300	5.09410	2.44790
.892	18.180	.88200	.37360	-.05150	2.36030	-.29890	-.27790	3.72130	1.34910	5.07050	2.37210
.890	18.690	.90680	.39230	-.04930	2.31140	-.31230	-.29930	3.74850	1.36120	5.10980	2.38730
.893	19.230	.91600	.40520	-.04770	2.26020	-.31850	-.30310	3.66740	1.35590	5.02340	2.31140
.894	19.730	.92820	.41980	-.04390	2.21100	-.33030	-.32200	3.67580	1.39460	5.07050	2.28110
.893	20.230	.94310	.43590	-.03930	2.16360	-.34520	-.34130	3.64440	1.36320	5.00770	2.28110
.892	20.710	.95190	.44930	-.03560	2.11850	-.35790	-.35860	3.61000	1.38190	4.99200	2.22800
.891	21.090	.95750	.45960	-.03040	2.08340	-.36910	-.37440	3.62110	1.35510	4.97630	2.26590

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0027)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	2.000
SPDRK	=	25.000	RN/L	=	6.000
GRITNO	=	120.000	RCSPDS	=	.000
BETA	=	.000	ALFSNP	=	1.000
BOFLAP	=	.000	RUDDER	=	.000

RUN NO. 22/ 0 RN/L = 6.25

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.182	.020	.01270	.15170	.00920	.08400	-.36100	-.36910	4.91520	1.67090	6.58610	3.24420
1.189	.670	.05290	.15140	.00090	.34960	-.35110	-.36310	4.88410	1.65490	6.53900	3.22910
1.189	1.390	.09720	.15320	-.00790	.63420	-.35170	-.35790	4.87210	1.63540	6.50760	3.23670
1.188	2.040	.13780	.15570	-.01690	.88470	-.34850	-.35750	4.78700	1.61850	6.40550	3.16840
1.183	2.660	.17440	.15920	-.02500	1.09600	-.35550	-.35510	4.76380	1.61810	6.38200	3.14570
1.181	3.240	.20790	.16320	-.03170	1.27350	-.35650	-.35610	4.71710	1.59410	6.31130	3.12290
1.178	3.830	.24120	.16770	-.03840	1.43790	-.35880	-.35670	4.69790	1.59770	6.29560	3.10020
1.178	4.410	.27240	.17260	-.04410	1.57780	-.35840	-.35560	4.64290	1.54270	6.18560	3.10020
1.181	5.000	.30550	.17780	-.04960	1.71840	-.35440	-.35290	4.59240	1.52250	6.11500	3.06980
1.179	5.600	.33850	.18430	-.05560	1.83660	-.36100	-.34760	4.58510	1.54550	6.13070	3.03950
1.185	6.190	.36810	.19030	-.05910	1.93330	-.35650	-.34420	4.54500	1.46000	6.00500	3.08500
1.180	6.800	.39940	.19810	-.06530	2.01640	-.36640	-.34540	4.51470	1.49030	6.00500	3.02430
1.182	7.380	.43190	.20560	-.06770	2.10040	-.36230	-.34720	4.46770	1.45090	5.91860	3.01670
1.179	7.980	.46280	.21380	-.07160	2.16390	-.36910	-.35290	4.38660	1.44560	5.83220	2.94090
1.179	8.580	.49280	.22280	-.07360	2.21130	-.37260	-.35280	4.31250	1.40190	5.71440	2.91060
1.181	9.180	.52350	.23220	-.07610	2.25450	-.37300	-.35530	4.20380	1.36140	5.56520	2.84230
1.186	9.770	.55150	.24110	-.07760	2.28710	-.37390	-.35820	4.09600	1.37500	5.47100	2.72100
1.185	10.360	.58040	.25110	-.08050	2.31120	-.37670	-.36060	4.00720	1.36960	5.37680	2.63750
1.184	10.960	.60790	.26200	-.07970	2.32020	-.37650	-.36510	3.96070	1.36100	5.32180	2.59960
1.178	11.550	.63720	.27460	-.08090	2.32040	-.38410	-.37020	3.92960	1.34510	5.27470	2.58450
1.172	12.160	.66740	.28840	-.08390	2.31400	-.39480	-.37770	3.86440	1.37090	5.23540	2.49350
1.171	12.760	.69980	.30350	-.08610	2.30560	-.39970	-.37960	3.82990	1.38190	5.21190	2.44800
1.177	13.340	.72780	.31770	-.08980	2.29060	-.39660	-.38440	3.73280	1.34550	5.07840	2.38730
1.177	13.950	.75920	.33440	-.09330	2.27020	-.40540	-.38740	3.65640	1.39050	5.04700	2.26590
1.179	14.540	.78720	.35080	-.09540	2.24400	-.40650	-.38970	3.62140	1.37060	4.99200	2.25080
1.177	15.120	.81420	.36760	-.09760	2.21460	-.41040	-.39610	3.52880	1.36890	4.89770	2.15980
1.178	15.690	.83970	.38390	-.10040	2.18750	-.41310	-.40460	3.45550	1.37150	4.82710	2.08390
1.176	16.290	.86850	.40290	-.10360	2.15560	-.41950	-.40510	3.39010	1.38200	4.77210	2.00810
1.182	16.860	.88810	.41730	-.10540	2.12810	-.41540	-.40610	3.30450	1.34190	4.64640	1.96260
1.184	17.460	.91490	.43580	-.10710	2.09940	-.42050	-.40360	3.31240	1.34970	4.66220	1.96260
1.187	18.040	.93690	.45270	-.10810	2.06940	-.42120	-.40580	3.25770	1.31020	4.56790	1.94740
1.190	18.600	.95490	.46870	-.10880	2.03700	-.42260	-.40440	3.21520	1.30560	4.52080	1.90950
1.184	19.180	.98120	.48950	-.10980	2.00430	-.42990	-.41650	3.16570	1.34720	4.51290	1.81850
1.182	19.730	.99940	.50720	-.10950	1.97040	-.43350	-.42920	3.15730	1.30840	4.46580	1.84880
1.180	20.290	1.02100	.52700	-.10850	1.93730	-.44420	-.43970	3.14970	1.31600	4.46580	1.83370
1.184	20.830	1.03500	.54400	-.10820	1.90240	-.44780	-.43890	3.11530	1.33470	4.45010	1.78060
1.181	21.260	1.04900	.55920	-.10790	1.87580	-.45660	-.45440	3.03420	1.32950	4.36370	1.70470
1.179	21.490	1.05730	.56740	-.10720	1.86330	-.46100	-.45920	2.99180	1.33260	4.32450	1.65920

LA67 (LTV 552) ORBITER 49-0

(SF0527)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	25.000	RN/L =	6.000
GRITNO =	120.000	RCSPQS =	.000
BETA =	.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1019/ 0 RN/L = 6.22

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.894	-.050	.00600	.07920	.00000	.07680	-.23620	-.21740	4.49060	1.43590	5.92650	3.05470
.894	.160	.02130	.07920	-.00170	.26920	-.23540	-.21460	4.52520	1.43260	5.95790	3.09260
.897	.380	.03680	.07840	-.00140	.47020	-.23300	-.21560	4.53320	1.44820	5.98150	3.08500
.896	.700	.05330	.07960	-.00300	.67000	-.23490	-.21560	4.47870	1.41640	5.89510	3.06220
.895	1.100	.07810	.08080	-.00560	.96660	-.23630	-.21330	4.49020	1.41270	5.90290	3.07740
.899	1.610	.11050	.08170	-.00700	1.35200	-.23480	-.21490	4.50490	1.37440	5.87940	3.13050
.899	2.150	.13920	.08450	-.01010	1.64750	-.23320	-.21220	4.46670	1.39690	5.86370	3.06980
.900	2.710	.17200	.08650	-.01090	1.98850	-.23210	-.21160	4.46550	1.32740	5.79300	3.13810
.896	3.260	.20370	.09030	-.01400	2.25550	-.23290	-.21160	4.47420	1.38160	5.85580	3.09260
.897	3.840	.23590	.09400	-.01630	2.50900	-.22860	-.20250	4.45400	1.33110	5.78510	3.12290
.900	4.410	.26350	.09720	-.01750	2.71030	-.22890	-.20610	4.44620	1.32320	5.76940	3.12290
.896	4.960	.28900	.10260	-.01810	2.81750	-.23060	-.20310	4.38060	1.32590	5.70660	3.05470
.898	5.550	.31520	.10760	-.01890	2.92820	-.22980	-.20260	4.33680	1.24410	5.58100	3.09260
.898	6.120	.34240	.11320	-.01940	3.02310	-.22990	-.19950	4.26340	1.23900	5.50240	3.02130
.900	6.710	.37140	.11910	-.02010	3.11770	-.22850	-.20190	4.25160	1.22720	5.47890	3.02430
.901	7.290	.39770	.12600	-.01990	3.15640	-.22980	-.20180	4.24350	1.20390	5.44750	3.03950
.899	7.860	.42610	.13430	-.02070	3.17320	-.23110	-.20410	4.22420	1.20750	5.43170	3.01670
.901	8.460	.45240	.14250	-.02140	3.17370	-.23570	-.20740	4.18560	1.20680	5.39250	2.97880
.900	9.030	.47690	.15160	-.02260	3.14480	-.23560	-.20660	4.20200	1.26110	5.46320	2.94090
.902	9.630	.50300	.16120	-.02320	3.11970	-.24110	-.20990	4.14390	1.24850	5.39250	2.89540
.905	10.230	.52980	.17180	-.02450	3.08320	-.24200	-.20780	4.08670	1.28220	5.36890	2.80440
.904	10.820	.55510	.18340	-.02470	3.02600	-.24380	-.20590	4.04850	1.30470	5.35320	2.74370
.906	11.420	.58200	.19550	-.02760	2.97650	-.25000	-.21550	3.95640	1.33400	5.29040	2.62240
.907	12.020	.60830	.20850	-.02930	2.91720	-.25600	-.21920	3.90220	1.32530	5.22760	2.57690
.907	12.610	.63830	.22310	-.03300	2.86070	-.26310	-.22750	3.86390	1.34010	5.20400	2.52380
.905	13.200	.66830	.23920	-.03780	2.79290	-.26790	-.22820	3.81460	1.38940	5.20400	2.42520
.905	13.800	.69610	.25510	-.04280	2.72810	-.27390	-.23440	3.74460	1.35730	5.10190	2.38730
.906	14.410	.72240	.27040	-.04680	2.67150	-.28160	-.24830	3.70970	1.34510	5.05480	2.36450
.905	15.010	.75250	.28750	-.05140	2.61670	-.28640	-.25870	3.66000	1.37120	5.03120	2.28870
.905	15.610	.78050	.30410	-.05500	2.56840	-.28880	-.26500	3.62480	1.34360	4.96840	2.28110
.904	16.230	.80780	.32190	-.05530	2.50930	-.29170	-.26850	3.60570	1.35480	4.96060	2.25080
.902	16.820	.83460	.33950	-.05480	2.45780	-.29760	-.27640	3.63320	1.38230	5.01550	2.25080
.905	17.440	.85540	.35520	-.05430	2.40790	-.29930	-.28720	3.63710	1.38630	5.02340	2.25080
.901	18.030	.88310	.37510	-.05360	2.35390	-.30930	-.29400	3.61740	1.36660	4.98410	2.25080
.901	18.630	.90250	.39190	-.04940	2.30290	-.31900	-.30870	3.65600	1.36730	5.02340	2.28870
.900	19.220	.92000	.40920	-.04920	2.24780	-.32700	-.31620	3.59040	1.36230	4.95270	2.22800
.899	19.760	.93590	.42510	-.04390	2.20140	-.33870	-.33550	3.63320	1.38230	5.01550	2.25080
.896	20.250	.94640	.43980	-.04040	2.15190	-.35160	-.34830	3.59510	1.41250	5.00770	2.18250
.896	20.660	.95470	.45160	-.03690	2.11390	-.35980	-.35720	3.59480	1.39710	4.99200	2.19770
.896	20.980	.95550	.45770	-.03210	2.08730	-.36700	-.36900	3.60990	1.37420	4.98410	2.23560
.894	21.260	.96020	.46410	-.02960	2.06890	-.37230	-.37760	3.59040	1.36230	4.95270	2.22800

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD028)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	RN/L =	7.500
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO.		6/ 0	RN/L = 7.36									
MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R	
.614	-3.760	-.13400	.06610	-.00550	-2.02590	-.18060	-.15530	5.14350	1.92950	7.07300	3.21390	
.612	-2.850	-.09150	.06450	-.00570	-1.41840	-.18260	-.15290	5.16240	1.91050	7.07300	3.25180	
.609	-1.780	-.04900	.06320	-.00580	-.77500	-.18780	-.14960	5.11670	1.94060	7.05730	3.17600	
.608	-.990	-.01100	.06250	-.00640	-.17620	-.18150	-.15140	5.16700	1.95310	7.12010	3.21390	
.605	-.220	.02350	.06320	-.00640	.37190	-.18720	-.15160	5.13170	1.91770	7.04950	3.21390	
.604	.550	.05920	.06380	-.00730	.92770	-.18800	-.14710	5.14310	1.90630	7.04950	3.23670	
.605	1.320	.09150	.06370	-.00800	1.43500	-.18710	-.14340	5.10890	1.94050	7.04950	3.16840	
.604	2.110	.13460	.06590	-.00890	2.04640	-.18740	-.14510	5.14710	1.91800	7.06520	3.22910	
.605	2.900	.16950	.06760	-.01060	2.50620	-.18550	-.14640	5.18250	1.95330	7.13580	3.22910	
.608	3.660	.20380	.06890	-.01190	2.95780	-.18280	-.14080	5.13990	1.94870	7.08870	3.19120	
.609	4.460	.24460	.07190	-.01130	3.40000	-.18050	-.13760	5.13180	1.92540	7.05730	3.20630	
.609	5.230	.27670	.07530	-.01300	3.67270	-.18390	-.13970	5.16310	1.94910	7.11230	3.21390	
.608	6.020	.31440	.08010	-.01420	3.92380	-.18140	-.13560	5.12100	1.96770	7.08870	3.15320	
.611	6.790	.35430	.08390	-.01560	4.22090	-.18170	-.12970	5.12420	1.93300	7.05730	3.19120	
.613	7.580	.39040	.08900	-.01640	4.38550	-.17740	-.12950	5.10180	1.97120	7.07300	3.13050	
.613	8.360	.42960	.09520	-.01750	4.50940	-.18040	-.12660	5.08630	1.97090	7.05730	3.11530	
.609	9.150	.47150	.10340	-.01570	4.55750	-.18730	-.13300	5.12500	1.97930	7.10440	3.14570	
.611	9.920	.50890	.11100	-.01540	4.58430	-.18420	-.12500	5.07070	1.96300	7.03380	3.10770	
.611	10.700	.54340	.11910	-.01680	4.56290	-.18420	-.12690	5.11340	1.97530	7.08870	3.13810	
.608	11.490	.58800	.13110	-.01790	4.48390	-.18460	-.13430	5.10230	2.00210	7.10440	3.10020	
.610	12.260	.62710	.14310	-.01800	4.38060	-.18430	-.12560	5.02890	1.99690	7.02590	3.03190	
.607	13.030	.66870	.15970	-.02160	4.18620	-.13240	-.13540	5.02160	2.02000	7.04160	3.00160	
.606	13.830	.70120	.17930	-.02180	3.90990	-.18930	-.13880	5.00260	2.03890	7.04160	2.96360	
.605	14.570	.73310	.19840	-.02210	3.69380	-.19750	-.14240	4.94430	2.01090	6.95520	2.93330	
.606	15.340	.76380	.21910	-.02180	3.48610	-.19750	-.14060	4.89390	1.99850	6.89240	2.89540	
.604	16.120	.80420	.24480	-.02520	3.28410	-.20180	-.15700	4.83660	2.03220	6.86880	2.80440	
.604	16.860	.83560	.26820	-.02750	3.11550	-.20940	-.16800	4.77420	1.99250	6.76680	2.78160	
.607	17.610	.86380	.29120	-.02860	2.96560	-.21510	-.16810	4.73170	1.98790	6.71960	2.74370	
.603	18.390	.91610	.32230	-.03300	2.84150	-.22630	-.18840	4.67010	1.99450	6.66470	2.67550	
.603	19.130	.96970	.35220	-.03920	2.72470	-.23410	-.19910	4.64790	2.04820	6.69610	2.59360	
.606	19.860	.99410	.37860	-.04190	2.62540	-.23580	-.19670	4.62840	2.03630	6.66470	2.59200	
.607	20.560	1.02370	.40280	-.04340	2.54130	-.23970	-.20440	4.58160	2.01230	6.59400	2.56930	
.603	21.090	1.05870	.42650	-.04380	2.48220	-.25180	-.22120	4.61970	1.98210	6.60180	2.63750	

LA67 (LTV 552) ORBITER 49-0

(SF0528)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	2.000
SPOBRK	=	25.000	RN/L	=	7.500
ORITNO	=	120.000	RCSP05	=	.000
BETA	=	.000	ALFSWP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1006/ 0

RN/L = 7.32

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.601	-4.130	-.14780	.06650	-.00770	-2.22060	-.19180	-.15350	5.06710	1.97450	7.04160	3.09260
.600	-3.860	-.13450	.06570	-.00780	-2.04680	-.19240	-.15420	5.07520	1.99780	7.07300	3.07740
.599	-3.230	-.11130	.06490	-.00820	-1.71570	-.18440	-.15370	5.08310	2.00560	7.08870	3.07740
.601	-2.280	-.06630	.06230	-.00900	-1.06380	-.18490	-.14610	5.02880	1.98920	7.01810	3.03950
.600	-1.210	-.01900	.06160	-.00940	-.30850	-.18400	-.14360	5.04060	2.00100	7.04160	3.03950
.598	-.090	.03060	.06250	-.00870	.49060	-.18700	-.14740	5.03230	1.97000	7.00230	3.06220
.598	1.010	.08130	.06320	-.00860	1.28490	-.18870	-.14590	5.06740	1.98990	7.05730	3.07740
.598	2.140	.14010	.06490	-.01310	2.15610	-.18630	-.14540	5.01770	2.01600	7.03380	3.00160
.600	3.270	.18880	.06710	-.01160	2.81310	-.18450	-.14170	4.99720	1.95010	6.94740	3.04710
.605	4.430	.24240	.07100	-.01220	3.41330	-.17910	-.12760	5.01350	1.99670	7.01020	3.01670
.603	5.570	.29780	.07610	-.01530	3.91300	-.18040	-.13610	4.93260	2.00680	6.93950	2.92570
.605	6.760	.35580	.08340	-.01620	4.26640	-.17950	-.13020	4.88580	1.97520	6.86100	2.91060
.608	7.930	.40950	.09070	-.01700	4.51340	-.17770	-.12470	4.88190	1.97120	6.85310	2.91060
.607	9.110	.46880	.10170	-.01730	4.60840	-.18250	-.12910	4.89310	1.95210	6.84530	2.94390
.608	10.300	.52790	.11470	-.01650	4.60070	-.18340	-.12800	4.85460	1.95920	6.81390	2.89540
.612	11.490	.58710	.13040	-.01800	4.50100	-.18160	-.13130	4.78520	1.95800	6.74320	2.82710
.613	12.690	.64220	.15130	-.01980	4.24410	-.18460	-.13730	4.76540	1.93060	6.69610	2.83470
.610	13.910	.70480	.18270	-.02190	3.85710	-.19810	-.14190	4.74270	1.96340	6.69610	2.78920
.610	15.120	.75940	.21600	-.02310	3.51440	-.20480	-.15330	4.70450	1.97590	6.68040	2.72860
.613	16.340	.81360	.25330	-.02540	3.21180	-.20430	-.16430	4.62780	2.00540	6.63330	2.62240
.610	17.560	.87220	.29390	-.03090	2.96690	-.22400	-.17820	4.63150	1.99390	6.62540	2.63750
.607	18.770	.93770	.33850	-.03790	2.77020	-.23690	-.19790	4.59640	1.97400	6.57040	2.62240
.606	19.900	1.00180	.38330	-.04390	2.61360	-.24510	-.21040	4.56170	1.97720	6.53900	2.58450
.606	20.760	1.04060	.41430	-.04400	2.51140	-.24750	-.22070	4.60860	2.00890	6.61750	2.59960
.607	21.170	1.05610	.42700	-.04490	2.47300	-.24870	-.22060	4.62820	2.02850	6.65680	2.59960

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TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD029)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSPDS =	.000
BETA =	.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 5/ 0 RN/L = 10.15

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.620	-3.920	-.13800	.06520	-.00970	-2.08310	-.18320	-.15360	5.29880	1.76630	7.06520	3.53240
.619	-2.910	-.09370	.06400	-.01130	-1.46290	-.18110	-.15180	5.26050	1.78110	7.04160	3.47930
.618	-2.100	-.05860	.06290	-.01100	-.93190	-.18010	-.15030	5.27150	1.74660	7.01810	3.52490
.616	-1.320	-.02200	.06200	-.01160	-.35480	-.17670	-.14640	5.29220	1.82790	7.12010	3.46420
.614	-.530	.01380	.06160	-.01140	.22520	-.17530	-.14180	5.30680	1.78190	7.08870	3.52490
.612	.270	.04980	.06190	-.01220	.80400	-.17470	-.14080	5.30350	1.81660	7.12010	3.48690
.609	1.050	.08610	.06260	-.01250	1.37500	-.17550	-.14020	5.28360	1.78150	7.06520	3.50210
.608	1.840	.12220	.06380	-.01230	1.91370	-.17420	-.13820	5.32290	1.82080	7.14370	3.50210
.606	2.650	.15940	.06540	-.01270	2.43850	-.17210	-.13360	5.30750	1.82050	7.12800	3.48690
.605	3.450	.19410	.06780	-.01530	2.86040	-.17550	-.13440	5.26940	1.85070	7.12010	3.41870
.605	4.250	.23140	.07010	-.01490	3.29710	-.17560	-.13210	5.26890	1.81980	7.08870	3.44900
.604	5.020	.26910	.07370	-.01560	3.64900	-.17450	-.13120	5.25420	1.86580	7.12010	3.38830
.606	5.830	.30600	.07720	-.01550	3.96210	-.17240	-.12560	5.25750	1.83120	7.08870	3.42630
.605	6.630	.34550	.08200	-.01740	4.21390	-.17270	-.12950	5.26140	1.83510	7.09660	3.42330
.607	7.430	.38440	.08760	-.01940	4.38690	-.17840	-.13190	5.19220	1.84930	7.04160	3.34280
.608	8.230	.41830	.09240	-.02110	4.52610	-.17540	-.12730	5.15310	1.81780	6.97090	3.33530
.609	9.030	.46400	.10040	-.01980	4.62150	-.17540	-.12620	5.12980	1.80970	6.93950	3.32010
.609	9.830	.50610	.10900	-.01800	4.64350	-.17570	-.12720	5.14130	1.80600	6.94740	3.33530
.611	10.640	.54190	.11780	-.01900	4.60030	-.17850	-.12800	5.11800	1.79790	6.91600	3.32010
.611	11.420	.58450	.12900	-.01950	4.52930	-.17920	-.13060	5.08410	1.80470	6.86880	3.25940
.611	12.220	.62850	.14180	-.02000	4.42970	-.17890	-.12740	5.06820	1.81630	6.88450	3.25180
.610	13.010	.67170	.15860	-.02150	4.23450	-.18130	-.12990	4.99510	1.82660	6.82170	3.16840
.610	13.800	.70340	.17610	-.02260	3.99420	-.18790	-.13990	4.85190	1.80480	6.65680	3.04710
.609	14.580	.73410	.19620	-.02210	3.74150	-.19080	-.14190	4.78250	1.80360	6.58610	2.97880
.607	15.350	.76810	.21700	-.02320	3.53880	-.19430	-.14830	4.68930	1.77110	6.46050	2.91810
.607	16.140	.79750	.23800	-.02290	3.34960	-.19420	-.14750	4.68150	1.76330	6.44480	2.91810
.605	16.890	.83270	.26290	-.02510	3.16640	-.20330	-.16060	4.52560	1.67570	6.20130	2.84990
.605	17.660	.85990	.28590	-.02580	3.00750	-.20870	-.16780	4.38990	1.63860	6.02860	2.75130
.605	18.420	.88830	.31170	-.02980	2.84980	-.21830	-.17850	4.28490	1.58660	5.87150	2.69820
.605	19.180	.93550	.34290	-.03730	2.72760	-.22490	-.18850	4.21630	1.63940	5.85580	2.57690
.604	19.940	.98530	.37390	-.04060	2.63460	-.23040	-.19690	4.19660	1.61210	5.80870	2.58450
.604	20.690	1.02100	.40100	-.04280	2.54590	-.23950	-.20640	4.16530	1.58840	5.75370	2.57690
.604	21.290	1.05370	.42570	-.04350	2.47480	-.24470	-.21530	4.12320	1.60690	5.73020	2.51620
.603	21.520	1.06350	.43470	-.04300	2.44650	-.25530	-.22420	4.07960	1.54060	5.62020	2.53900

LA67 (LTV 552) ORBITER 49-0

(SF0029)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	2.000
SPDBRK	=	25.000	RN/L	=	10.000
GRITNO	=	120.000	RCSPDS	=	.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 15/ 0 RN/L = 10.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.901	-.040	.01260	.07930	-.00250	.16000	-.23100	-.20210	5.20160	1.72220	6.92380	3.47930
.902	.180	.02090	.07970	-.00340	.26330	-.22910	-.20180	5.17980	1.79900	6.97880	3.38080
.903	.830	.06170	.08060	-.00630	.76550	-.22830	-.20000	5.17950	1.78350	6.96310	3.39590
.903	1.580	.10710	.08280	-.00970	1.29360	-.23050	-.20150	5.20620	1.76470	6.97090	3.44140
.903	2.260	.14810	.08550	-.01290	1.73230	-.22990	-.20000	5.21800	1.77650	6.99450	3.44140
.903	2.880	.18330	.08820	-.01650	2.07740	-.22850	-.19470	5.22930	1.76510	6.99450	3.46420
.903	3.490	.21600	.09180	-.01840	2.35200	-.22720	-.19580	5.22530	1.75350	6.97880	3.47180
.903	4.100	.24710	.09600	-.01970	2.57310	-.22660	-.19050	5.24030	1.73060	6.97090	3.50970
.904	4.730	.27830	.10070	-.02160	2.76410	-.22580	-.19040	5.21320	1.72620	6.93950	3.48690
.903	5.340	.30900	.10580	-.02320	2.91880	-.22500	-.18870	5.19020	1.73360	6.92380	3.45660
.903	5.960	.34010	.11160	-.02400	3.04490	-.22390	-.18570	5.12410	1.70540	6.82960	3.41870
.902	6.570	.36840	.11810	-.02490	3.11850	-.22460	-.18620	5.01850	1.62250	6.64110	3.39590
.903	7.160	.39490	.12470	-.02510	3.16500	-.22780	-.18380	4.87700	1.47350	6.35050	3.40350
.900	7.770	.42240	.13250	-.02670	3.18630	-.22960	-.18700	4.78290	1.38700	6.16990	3.39590
.902	8.400	.44950	.14060	-.02480	3.19730	-.22610	-.18570	4.70470	1.32390	6.02860	3.38080
.902	9.010	.47490	.14900	-.02510	3.18670	-.22940	-.18470	4.64620	1.28810	5.93430	3.35800
.901	9.620	.50190	.15890	-.02620	3.15840	-.23160	-.18720	4.56130	1.28660	5.84800	3.27460
.903	10.210	.52950	.16880	-.02750	3.13580	-.23430	-.18920	4.53780	1.27080	5.80870	3.26700
.901	10.830	.55940	.18100	-.02990	3.09030	-.23930	-.19410	4.45200	1.21530	5.66730	3.23670
.902	11.440	.58350	.19230	-.03120	3.03380	-.24040	-.19680	4.32850	1.21310	5.54170	3.11530
.901	12.040	.60990	.20510	-.03230	2.97290	-.24450	-.20020	4.24330	1.19620	5.43960	3.04710
.900	12.630	.63730	.21830	-.03350	2.91860	-.25210	-.20620	4.17020	1.20650	5.37680	2.96360
.900	13.240	.66250	.23230	-.03570	2.85100	-.25570	-.20840	3.97360	1.21470	5.18830	2.75890
.900	13.840	.68900	.24710	-.03880	2.78800	-.26160	-.21640	3.87690	1.20140	5.07840	2.67550
.902	14.440	.71230	.26160	-.04240	2.72270	-.26510	-.21560	3.74910	1.17220	4.92130	2.57690
.901	15.030	.74080	.27810	-.04540	2.66310	-.26920	-.22380	3.64130	1.18570	4.82710	2.45650
.901	15.620	.76750	.29480	-.04850	2.60290	-.27260	-.23110	3.52500	1.15280	4.67780	2.37210
.900	16.230	.79170	.31170	-.05000	2.53930	-.27670	-.23710	3.49010	1.14060	4.63070	2.34940
.899	16.820	.81770	.32880	-.04920	2.48700	-.28390	-.24660	3.43210	1.13580	4.56790	2.29630
.900	17.420	.84510	.34540	-.04760	2.43190	-.28720	-.25120	3.42020	1.11630	4.53650	2.30390
.900	18.030	.86530	.36370	-.04560	2.37900	-.29660	-.25360	3.38970	1.13890	4.52860	2.25080
.901	18.640	.88620	.38190	-.04410	2.32040	-.30590	-.26770	3.35900	1.14610	4.50510	2.21290
.898	19.220	.91060	.40150	-.04110	2.26760	-.32200	-.28840	3.33930	1.12640	4.46580	2.21290
.898	19.810	.92220	.41710	-.03650	2.21050	-.33200	-.30400	3.35110	1.13820	4.48940	2.21290
.898	20.360	.93390	.43270	-.03220	2.15820	-.34490	-.32290	3.32060	1.16080	4.48150	2.15980
.899	20.920	.94360	.44790	-.02660	2.10680	-.35760	-.33750	3.26310	1.17910	4.44230	2.08390
.899	21.450	.94850	.46160	-.02160	2.05440	-.37210	-.35100	3.21690	1.18600	4.40300	2.03080
.900	21.840	.94980	.47050	-.01580	2.01850	-.38410	-.36710	3.23370	1.26350	4.49720	1.97020

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD029)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	RN/L =	10.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 27/ 0 RN/L * 10.27

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.188	.010	.01970	.15120	.00810	.13060	-.35140	-.36270	4.90320	1.20390	6.10710	3.69930
1.188	.400	.04130	.15140	.00270	.27280	-.35000	-.36120	4.86070	1.19930	6.06000	3.66140
1.191	1.100	.08400	.15240	-.00600	.55130	-.34680	-.35630	4.84540	1.20670	6.05210	3.63860
1.194	1.840	.12910	.15470	-.01470	.83480	-.34260	-.34870	4.78730	1.19410	5.98150	3.59310
1.196	2.490	.16590	.15740	-.02280	1.05390	-.34100	-.34360	4.67540	1.19500	5.87150	3.47930
1.192	3.100	.19870	.16080	-.02900	1.23530	-.33900	-.34020	4.58580	1.14430	5.73020	3.44140
1.200	3.710	.23340	.16520	-.03490	1.41300	-.33880	-.33570	4.54630	1.08960	5.63590	3.45660
1.200	4.330	.26670	.17010	-.04110	1.56770	-.33980	-.33260	4.46880	1.07280	5.54170	3.39590
1.199	4.960	.30120	.17560	-.04700	1.71480	-.34090	-.33160	4.43480	1.11470	5.54950	3.32010
1.194	5.600	.33490	.18210	-.05290	1.83880	-.34780	-.33090	4.39660	1.13720	5.53380	3.25940
1.193	6.200	.36840	.18890	-.05890	1.95060	-.34990	-.33380	4.27680	1.12350	5.40030	3.15320
1.194	6.830	.40230	.19650	-.06330	2.04720	-.35140	-.33490	4.18740	1.08720	5.27470	3.10020
1.195	7.450	.43340	.20420	-.06720	2.12160	-.35390	-.33510	4.10640	1.08970	5.19620	3.01670
1.196	8.070	.46320	.21250	-.07060	2.17900	-.35620	-.33880	4.03320	1.09220	5.12550	2.94390
1.196	8.700	.49740	.22220	-.07400	2.23870	-.36000	-.34360	3.93700	1.10990	5.04690	2.82710
1.194	9.340	.52990	.23230	-.07660	2.28060	-.36640	-.34550	3.88680	1.10510	4.99200	2.78160
1.193	9.970	.56070	.24270	-.07840	2.31020	-.36970	-.35010	3.77120	1.11080	4.88200	2.66030
1.194	10.590	.59190	.25390	-.07960	2.33070	-.37090	-.35480	3.63910	1.06220	4.70140	2.57690
1.192	11.220	.62480	.26710	-.08290	2.33930	-.37650	-.36070	3.53500	1.06430	4.59930	2.47070
1.192	11.860	.65690	.28050	-.08420	2.34180	-.38050	-.36450	3.43530	1.10110	4.53650	2.33420
1.193	12.450	.67990	.29190	-.08480	2.32890	-.37850	-.37000	3.34600	1.06480	4.41080	2.28110
1.195	13.090	.71140	.30710	-.08530	2.31630	-.38010	-.37210	3.21500	1.07800	4.29310	2.13700
1.192	13.730	.73950	.32250	-.08750	2.29300	-.38710	-.37600	3.12190	1.04550	4.16740	2.07630
1.194	14.330	.76760	.33860	-.08890	2.26690	-.38780	-.37830	2.98630	1.01610	4.00250	1.97020
1.192	14.960	.79450	.35580	-.09090	2.23300	-.39680	-.38370	2.92460	1.01500	3.93970	1.90950
1.193	15.570	.82210	.37330	-.09320	2.20200	-.39690	-.38910	2.76290	1.03540	3.79830	1.72750
1.192	16.190	.85020	.39200	-.09650	2.16880	-.40220	-.39300	2.65850	1.02200	3.68050	1.63650
1.193	16.800	.87620	.40990	-.09840	2.13730	-.40430	-.39790	2.55420	1.01630	3.57060	1.53790
1.191	17.410	.90130	.42790	-.09880	2.10610	-.40770	-.40090	2.49940	.96900	3.46850	1.53030
1.189	18.020	.92470	.44590	-.10010	2.07370	-.41430	-.40480	2.43390	.97180	3.40570	1.46210
1.192	18.610	.94460	.46300	-.10030	2.04020	-.41300	-.40660	2.34160	.99330	3.33500	1.34830
1.193	19.210	.96490	.48110	-.10030	2.00540	-.41610	-.41190	2.34560	.99720	3.34280	1.34830
1.193	19.810	.98410	.49970	-.10010	1.96930	-.42170	-.42070	2.32690	1.03160	3.35860	1.29520
1.193	20.400	1.00340	.51900	-.09970	1.93330	-.43020	-.42720	2.25080	1.09200	3.34280	1.15870
1.194	20.970	1.02000	.53650	-.09890	1.90110	-.43350	-.43330	2.17330	1.07520	3.24860	1.09800
1.193	21.530	1.03490	.55430	-.09730	1.86700	-.44110	-.44030	2.12740	1.09760	3.22510	1.02980
1.191	21.820	1.04450	.56490	-.09660	1.84870	-.44630	-.44300	2.15460	1.10960	3.26430	1.04490

LA67 (LTV 552) ORBITER 49-0

(SF0030)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 18/ 0 RN/L = 12.02

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
.905	.060	.00880	.07950	-.00110	.11160	-.23030	-.20570	5.33290	1.73220	7.06520	3.60070
.908	.240	.02530	.07990	-.00250	.31710	-.22650	-.20130	5.30250	1.75480	7.05730	3.54760
.908	.920	.06700	.08120	-.00620	.82490	-.22780	-.20290	5.30230	1.74710	7.04950	3.55520
.909	1.680	.11400	.08360	-.01080	1.36350	-.22470	-.19600	5.30530	1.69700	7.00230	3.60830
.907	2.380	.15640	.08670	-.01440	1.80430	-.22500	-.19950	5.39980	1.58680	6.98660	3.81300
.907	3.000	.19280	.08980	-.01890	2.14670	-.22480	-.19840	5.48730	1.51500	7.00230	3.97230
.908	3.610	.22570	.09320	-.02110	2.41980	-.22210	-.18940	5.51780	1.49240	7.01020	4.02540
.907	4.240	.25800	.09750	-.02260	2.64660	-.22180	-.18930	5.50930	1.44590	6.95520	4.06330
.907	4.870	.28790	.10190	-.02380	2.82310	-.22140	-.18560	5.47850	1.45310	6.93170	4.02540
.905	5.510	.32060	.10750	-.02480	2.98070	-.22170	-.18420	5.40010	1.38230	6.78250	4.01780
.905	6.130	.34910	.11330	-.02560	3.07900	-.22180	-.18380	5.32540	1.30000	6.62540	4.02540
.904	6.730	.37590	.11950	-.02700	3.14590	-.22180	-.18690	5.17780	1.24340	6.42120	3.93440
.906	7.360	.40390	.12680	-.02690	3.18390	-.22140	-.18450	5.13070	1.19630	6.32700	3.93440
.906	7.990	.43170	.13540	-.02770	3.18750	-.22420	-.18480	5.00600	1.12460	6.13070	3.88130
.907	8.600	.45590	.14340	-.02730	3.17830	-.22500	-.18580	4.90940	1.11910	6.02860	3.79030
.906	9.220	.48170	.15240	-.02710	3.16010	-.22610	-.18720	4.87000	1.07210	5.94220	3.79790
.905	9.840	.51000	.16230	-.02870	3.14220	-.22860	-.18970	4.76910	1.03950	5.80870	3.72960
.905	10.470	.53870	.17300	-.02890	3.11310	-.23190	-.18880	4.68830	1.04970	5.73800	3.63860
.902	11.090	.56990	.18520	-.03110	3.07670	-.23760	-.19230	4.47460	.96490	5.43960	3.50970
.903	11.720	.59740	.19760	-.03220	3.02250	-.23920	-.19280	4.37460	.97860	5.35320	3.39590
.901	12.330	.62240	.21010	-.03230	2.96110	-.24510	-.19780	4.20100	.97940	5.18050	3.22150
.903	12.920	.64650	.22260	-.03400	2.90320	-.24830	-.20120	4.03960	1.01520	5.05480	3.02430
.901	13.560	.67470	.23810	-.03480	2.83300	-.25590	-.20980	3.83900	1.01940	4.85850	2.81960
.901	14.160	.70090	.25320	-.03630	2.76810	-.26150	-.21620	3.72800	1.06760	4.79570	2.66030
.902	14.770	.72530	.26910	-.03920	2.69530	-.26630	-.22090	3.62370	1.06190	4.68570	2.56170
.905	15.360	.74850	.28460	-.04240	2.62910	-.26940	-.22560	3.51190	1.06390	4.57580	2.44790
.904	15.960	.77370	.30100	-.04520	2.57050	-.27260	-.23500	3.37320	1.07690	4.45010	2.29630
.902	16.580	.80000	.31860	-.04560	2.51080	-.27770	-.24490	3.26500	1.06730	4.33230	2.19770
.904	17.180	.81990	.33430	-.04430	2.45270	-.28180	-.24540	3.28070	1.08300	4.36370	2.19770
.901	17.810	.84550	.35250	-.04240	2.39860	-.28940	-.25420	3.21460	1.05480	4.26950	2.15980
.899	18.410	.86750	.36960	-.04050	2.34670	-.29720	-.26180	3.19150	1.05440	4.24590	2.13700
.898	18.990	.88810	.38690	-.03810	2.29520	-.30630	-.27710	3.15340	1.08460	4.23810	2.06880
.900	19.570	.90200	.40260	-.03500	2.24050	-.31730	-.28590	3.15760	1.10400	4.26160	2.05360
.896	20.150	.92040	.42070	-.03040	2.18760	-.33180	-.30600	3.12260	1.08410	4.20670	2.03840

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0030)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	25.000	RN/L =	12.000
GRITNO =	120.000	RCSPS =	.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 23/ 0 RN/L = 11.93

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.198	.030	.02420	.15180	.00270	.15950	-.34550	-.35510	5.71000	2.11680	7.82690	3.59310
1.201	.450	.05020	.15190	-.00220	.33060	-.34110	-.35340	5.69140	2.15900	7.85050	3.53240
1.200	1.160	.09230	.15310	-.01120	.60310	-.33990	-.34960	5.70340	2.17850	7.88190	3.52490
1.198	1.900	.13520	.15620	-.02110	.86610	-.34210	-.34440	5.67680	2.20500	7.88190	3.47180
1.199	2.570	.17330	.15950	-.02850	1.08600	-.34160	-.33950	5.61060	2.16910	7.77980	3.44140
1.199	3.180	.20820	.16290	-.03530	1.27820	-.33920	-.33420	5.47510	2.13980	7.61490	3.33530
1.199	3.780	.24220	.16720	-.04210	1.44820	-.33970	-.32620	5.38650	2.14980	7.53630	3.23670
1.196	4.420	.27590	.17280	-.04840	1.59680	-.34430	-.32300	5.30950	2.15620	7.46570	3.15320
1.197	5.050	.30990	.17860	-.05430	1.73540	-.34530	-.32620	5.12730	2.11050	7.23790	3.01670
1.199	5.670	.34300	.18470	-.05960	1.85710	-.34520	-.32630	4.96500	2.09230	7.05730	2.87260
1.197	6.300	.37720	.19190	-.06450	1.96530	-.35080	-.33030	4.85410	2.14820	7.00230	2.70580
1.198	6.930	.41020	.19940	-.07000	2.05700	-.35070	-.33270	4.74240	2.15780	6.90030	2.58450
1.198	7.560	.44270	.20750	-.07350	2.13320	-.35390	-.33590	4.67750	2.19920	6.87670	2.47830
1.196	8.210	.47620	.21700	-.07710	2.19470	-.35770	-.34090	4.60760	2.17480	6.78250	2.43280
1.196	8.840	.51000	.22660	-.08030	2.25090	-.36170	-.34260	4.54670	2.22000	6.76680	2.32660
1.197	9.470	.53970	.23630	-.08220	2.28360	-.36220	-.34770	4.51190	2.21560	6.72750	2.29630
1.198	10.090	.57070	.24660	-.08350	2.31390	-.36490	-.34920	4.43100	2.22570	6.65680	2.20530
1.196	10.740	.60470	.25910	-.08620	2.33370	-.36690	-.35440	4.35870	2.28230	6.64110	2.07630
1.195	11.380	.63850	.27240	-.08840	2.34410	-.37110	-.35730	4.25010	2.24960	6.49980	2.00050
1.196	12.000	.66650	.28480	-.08970	2.34030	-.37390	-.35800	4.18420	2.22910	6.41340	1.95500
1.196	12.630	.69660	.29830	-.09010	2.33530	-.37440	-.36430	4.06840	2.22710	6.29560	1.84120
1.194	13.270	.72450	.31320	-.09170	2.31320	-.37940	-.36770	4.02580	2.21480	6.24060	1.81090
1.195	13.890	.75380	.32880	-.09330	2.29230	-.38410	-.36990	3.91880	2.27470	6.19350	1.64410
1.197	14.500	.77910	.34440	-.09570	2.26200	-.38560	-.37350	3.81330	2.19950	6.01290	1.61370
1.197	15.120	.80610	.36160	-.09770	2.22880	-.39050	-.37780	3.61110	2.11110	5.72230	1.50000
1.197	15.750	.83420	.37990	-.09980	2.19530	-.39560	-.38130	3.49160	2.11290	5.60450	1.37860
1.195	16.380	.86220	.39900	-.10270	2.16070	-.39970	-.38660	3.37460	2.04140	5.41600	1.33310
1.195	16.990	.88840	.41700	-.10540	2.13000	-.40060	-.38960	3.30150	2.05170	5.35320	1.24970
1.192	17.610	.91380	.43570	-.10640	2.09690	-.40540	-.39360	3.19770	2.07690	5.27470	1.12080
1.193	18.220	.93630	.45370	-.10700	2.06370	-.41090	-.39380	3.07830	2.08640	5.16470	.99190
1.193	18.820	.95800	.47180	-.10770	2.03040	-.41390	-.40200	3.03660	2.12810	5.16470	.90840
1.193	19.440	.97790	.49080	-.10800	1.99240	-.41810	-.40750	2.98200	2.09630	5.07840	.88570
1.194	20.020	.99740	.50940	-.10720	1.95780	-.42230	-.41860	2.90540	2.12580	5.03120	.77950
1.195	20.610	1.01300	.52700	-.10610	1.92210	-.42650	-.42400	2.87460	2.13300	5.00770	.74160
1.193	21.200	1.03160	.54670	-.10570	1.88660	-.43570	-.43100	2.82870	2.15530	4.98410	.67330
1.195	21.750	1.04490	.56300	-.10310	1.85560	-.43820	-.43430	2.75950	2.16960	4.92920	.58990
1.194	22.240	1.05840	.57880	-.10140	1.82860	-.44100	-.43920	2.67140	2.20280	4.87420	.46860
1.194	22.540	1.06330	.58700	-.09960	1.81120	-.44350	-.43870	2.66570	2.09850	4.76420	.56720

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(SF0031)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNG	=	.000	RCSP05	=	.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 124/ 0 RN/L = 8.17

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.450	-.02690	.16870	.03960	-.15970	-.24930	-.30830	1.74850	.16510	1.91363	1.58340
1.510	.180	.00210	.16750	.03450	-.01280	-.25020	-.30780	1.79100	.16970	1.96070	1.62130
1.510	.870	.03350	.16690	.02850	.20070	-.25140	-.30890	1.76110	.22310	1.98430	1.53790
1.510	1.460	.06040	.16710	.02260	.36170	-.25210	-.30920	1.73030	.23030	1.96070	1.50000
1.510	2.020	.08550	.16740	.01750	.51040	-.25230	-.31000	1.69890	.19890	1.89790	1.50000
1.510	2.530	.10710	.16790	.01300	.63800	-.25340	-.31070	1.60640	.20500	1.81150	1.40140
1.510	3.040	.13020	.16930	.00930	.76890	-.25640	-.31090	1.52530	.19970	1.72510	1.32550
1.510	3.580	.15330	.17140	.00540	.89410	-.25840	-.30990	1.39020	.19350	1.58380	1.19660
1.510	4.090	.17500	.17350	.00150	1.00850	-.26250	-.31000	1.23540	.16770	1.40310	1.06770
1.510	4.640	.19900	.17650	-.00100	1.12770	-.26630	-.30900	1.05700	.11060	1.16760	.94640
1.510	5.150	.22120	.17910	-.00400	1.23510	-.26630	-.31040	.73820	-.02610	.71210	.76430
1.510	5.670	.24200	.18210	-.00750	1.32920	-.26740	-.31290	.44130	-.01970	.42150	.46100
1.510	6.200	.26500	.18580	-.01150	1.42570	-.26700	-.31520	.35740	.04050	.39800	.31690
1.510	6.720	.28730	.19030	-.01510	1.50950	-.26790	-.31640	.28080	.07000	.35090	.21070
1.510	7.250	.31110	.19580	-.01900	1.58630	-.27040	-.31860	.21210	.11510	.32730	.09700
1.510	7.790	.33510	.20190	-.02290	1.65650	-.27440	-.32020	.24070	.20430	.44510	.03630
1.510	8.300	.35750	.20800	-.02630	1.71650	-.27740	-.32180	.14860	.23360	.38230	-.08490
1.510	8.840	.38070	.21430	-.02930	1.77620	-.28140	-.32000	.02950	.25850	.28800	.22900
1.510	9.380	.40480	.22160	-.03200	1.82670	-.28240	-.31710	-.08970	.27570	.18590	.36550
1.510	9.890	.42590	.22790	-.03460	1.86830	-.28520	-.31660	-.22530	.24640	.02100	-.47170
1.510	10.430	.44590	.23500	-.03610	1.89700	-.28820	-.31570	-.34040	.28290	-.05740	-.62340
1.510	10.950	.46810	.24290	-.03800	1.92700	-.28920	-.31800	-.45170	.31570	-.13590	-.76750
1.510	11.490	.48950	.25110	-.04010	1.94930	-.29000	-.31810	-.55140	.35260	-.19880	-.90400
1.510	12.010	.51190	.25980	-.04260	1.96970	-.29350	-.31840	-.64810	.33930	-.30870	-.98740
1.510	12.520	.53030	.26760	-.04560	1.98160	-.29100	-.32010	-.71730	.35350	-.36370	-1.07080
1.510	13.070	.55400	.27780	-.04740	1.99410	-.29230	-.31930	-.74030	.36080	-.37940	-1.10120
1.510	13.580	.57530	.28730	-.04940	2.00190	-.29260	-.32100	-.84110	.32820	-.51290	-1.16940
1.510	14.100	.59340	.29590	-.05130	2.00520	-.29390	-.32290	-.88350	.33130	-.55210	-1.21490
1.510	14.630	.61370	.30610	-.05220	2.00440	-.29430	-.32250	-.94120	.34190	-.59930	-1.28320
1.510	15.160	.63650	.31760	-.05340	2.00400	-.29480	-.32430	-.98700	.37200	-.61500	-1.35900
1.510	15.670	.65370	.32700	-.05470	1.99860	-.29610	-.32620	-1.07680	.31250	-.76420	-1.38940
1.510	16.200	.67630	.33940	-.05580	1.99220	-.29700	-.32600	-1.07270	.32420	-.74850	-1.39690
1.510	16.730	.69750	.35260	-.05700	1.97780	-.29920	-.32960	-1.14220	.32300	-.81910	-1.46520
1.510	17.250	.71810	.36620	-.05860	1.96080	-.30370	-.33680	-1.21520	.34100	-.87410	-1.55620
1.510	17.750	.73600	.37860	-.06060	1.94410	-.30670	-.34410	-1.26620	.28990	-.97620	-1.55620
1.510	18.260	.75370	.39150	-.06180	1.92480	-.31090	-.35030	-1.34350	.28090	-1.06260	-1.62440
1.510	18.790	.77560	.40710	-.06260	1.90500	-.31610	-.35360	-1.38510	.33030	-1.05470	-1.71550
1.510	19.280	.79250	.41990	-.06430	1.88710	-.31940	-.35850	-1.40110	.29920	-1.10180	-1.70030
1.510	19.800	.81260	.43500	-.06470	1.86620	-.32070	-.35910	-1.51310	.29340	-1.21960	-1.80650
1.510	20.290	.82920	.44820	-.06570	1.85000	-.32340	-.36000	-1.56750	.26930	-1.29820	-1.83680
1.510	20.780	.84740	.46220	-.06680	1.83330	-.32460	-.36190	-1.57950	.24200	-1.33740	-1.82160
1.510	21.220	.86320	.47520	-.06750	1.81630	-.32580	-.36200	-1.64510	.24480	-1.40030	-1.88990

TABULATED SOURCE DATA. LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD031)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPQS =	.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 124/ 0 RN/L = 8.17

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	21.530	.87440	.48440	-.06860	1.80490	-.32820	-.36250	-1.71450	.24350	-1.47090	-1.95810

LA67 (LTV 552) ORBITER 49-0

(SFD032)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SFDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 109/ 0 RN/L = 7.98

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	.420	-.03000	.17040	.03770	-.17600	-.25950	-.30280	1.43360	-.19530	1.23820	1.62890
1.510	.200	-.02070	.17010	.03640	-.12210	-.26060	-.30330	1.43760	-.18360	1.25390	1.62130
1.510	.120	-.00370	.16920	.03390	-.02240	-.25830	-.30370	1.45730	-.16400	1.29320	1.62130
1.510	.820	.02720	.16800	.02800	.16230	-.25810	-.30310	1.46150	-.14460	1.31680	1.60610
1.510	1.410	.05500	.16770	.02210	.32790	-.25840	-.30240	1.38830	-.13430	1.25390	1.52270
1.510	1.990	.08020	.16820	.01810	.47700	-.25660	-.30020	1.36100	-.15410	1.20680	1.51510
1.510	2.490	.10320	.16800	.01350	.61410	-.25580	-.30080	1.29210	-.12440	1.16760	1.41660
1.510	3.020	.12710	.16980	.00980	.74840	-.25770	-.29770	1.25830	-.06720	1.19110	1.32560
1.510	3.530	.15070	.17110	.00570	.88090	-.25850	-.29860	1.14260	-.06920	1.07330	1.21180
1.510	4.060	.17300	.17300	.00290	1.00000	-.26040	-.29670	.94260	-.03410	.90840	.97670
1.510	4.590	.19550	.17520	.00000	1.11600	-.26040	-.29620	.70900	-.15390	.55500	.86290
1.510	5.110	.21960	.17810	-.00210	1.23260	-.26250	-.29630	.60810	-.18650	.42150	.79470
1.510	5.630	.24200	.18140	-.00500	1.33400	-.26380	-.29910	.42080	-.08560	.33510	.65650
1.510	6.160	.26530	.18550	-.00820	1.42590	-.26510	-.30050	.34110	-.01370	.32730	.35480
1.510	6.680	.28770	.18990	-.01140	1.51480	-.26560	-.30420	.20200	-.02390	.17810	.22590
1.510	7.210	.31240	.19570	-.01580	1.59600	-.26990	-.30730	.12930	.00950	.13880	.11970
1.510	7.740	.33590	.20200	-.01990	1.66250	-.27420	-.31060	.06410	.03540	.09960	.02870
1.510	8.270	.35600	.20870	-.02420	1.70580	-.27900	-.31460	-.05020	.11050	.06030	-.16080
1.510	8.780	.37860	.21540	-.02740	1.75750	-.28600	-.32230	-.14650	.12040	-.02600	-.26690
1.510	9.310	.40300	.22260	-.03110	1.81000	-.29150	-.32470	-.22760	.11520	-.11240	-.34280
1.510	9.830	.42460	.22880	-.03390	1.85540	-.29410	-.32680	-.34730	.10920	-.23800	-.45650
1.510	10.380	.44690	.23650	-.03550	1.88980	-.29430	-.32260	-.43440	.20410	-.23020	-.63860
1.510	10.880	.46530	.24330	-.03750	1.91230	-.29630	-.32590	-.51530	.20660	-.30870	-.72200
1.510	11.410	.49060	.25260	-.04050	1.94160	-.29850	-.32740	-.63030	.25090	-.37940	-.88120
1.510	11.920	.50940	.26060	-.04340	1.95450	-.30090	-.33060	-.68430	.24990	-.43430	-.93430
1.510	12.440	.52990	.26860	-.04510	1.97260	-.30280	-.33200	-.73840	.24900	-.48930	-.98740
1.510	12.970	.55270	.27800	-.04750	1.98810	-.30010	-.32960	-.85410	.24700	-.60710	-1.10120
1.510	13.510	.57490	.28830	-.04840	1.99370	-.30140	-.32580	-.91220	.23440	-.67780	-1.14670
1.510	14.020	.59250	.29610	-.05060	2.00090	-.30290	-.32660	-.93970	.20690	-.73280	-1.14670
1.510	14.530	.61480	.30740	-.05200	1.99990	-.30070	-.32700	-1.02140	.17080	-.85060	-1.19220
1.510	15.080	.63230	.31690	-.05330	1.99500	-.30210	-.33070	-1.10290	.14230	-.96050	-1.24530
1.510	15.580	.65600	.32940	-.05460	1.99110	-.30430	-.33010	-1.14550	.13000	-1.01550	-1.27560
1.510	16.090	.67550	.34050	-.05660	1.98330	-.30460	-.33100	-1.23810	.12840	-1.10970	-1.36660
1.510	16.620	.69580	.35240	-.05680	1.97430	-.30630	-.33460	-1.28040	.13920	-1.14110	-1.41970
1.510	17.150	.71400	.36530	-.05850	1.95440	-.31000	-.34010	-1.29560	.09270	-1.20390	-1.38940
1.510	17.660	.73470	.37870	-.06040	1.94010	-.31280	-.34540	-1.39670	.10630	-1.29030	-1.50310
1.510	18.150	.75680	.39290	-.06160	1.92610	-.31730	-.34970	-1.48660	.03920	-1.44740	-1.52590
1.510	18.680	.77420	.40690	-.06230	1.90270	-.31930	-.35450	-1.54810	.05350	-1.49450	-1.60170
1.510	19.190	.79400	.42100	-.06320	1.88590	-.32300	-.35870	-1.59060	.04900	-1.54160	-1.63960
1.510	19.690	.81310	.43510	-.06470	1.86850	-.32210	-.36190	-1.63690	.04810	-1.58870	-1.68510
1.510	20.190	.83080	.44890	-.06620	1.85070	-.32540	-.36200	-1.64800	.07500	-1.57300	-1.72300
1.510	20.680	.85070	.46400	-.06670	1.83330	-.32250	-.36240	-1.68690	.05880	-1.62800	-1.74580

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD032)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 109/ 0 RN/L = 7.98

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	21.130	.86400	.47590	-.06800	1.81530	-.32610	-.36380	-1.73740	.03870	-1.69870	-1.77610
1.510	21.480	.87880	.48750	-.06930	1.80270	-.32520	-.36400	-1.82950	.06790	-1.76150	-1.89750

LA67 (LTV 552) ORBITER 49-0

(SF0032)

PARAMETRIC DATA

ELEVON =	.000	AIRLON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 96/ 0 RN/L = 8.03

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AIRLON	ELVN-L	ELVN-R
2.010	-.330	-.04920	.14650	.02660	-.33600	-.17400	-.20610	.59590	-.22150	.37440	.81740
2.010	.280	-.02770	.14470	.02230	-.19160	-.17470	-.20620	.54610	-.20300	.34300	.74920
2.010	.970	-.00230	.14400	.01890	-.01650	-.17580	-.20450	.55070	-.16050	.39010	.71130
2.010	1.520	.01770	.14360	.01550	.12370	-.17580	-.20690	.50880	-.12650	.38230	.63540
2.010	2.080	.03760	.14410	.01230	.26110	-.17600	-.20730	.41770	-.04320	.37440	.46100
2.010	2.580	.05580	.14490	.01110	.38520	-.17840	-.20800	.36070	.00580	.36660	.35480
2.010	3.080	.07170	.14540	.00810	.49360	-.17780	-.21030	.20740	.06490	.27230	.14250
2.010	3.620	.09240	.14690	.00590	.62900	-.17790	-.21010	.01500	.09240	.10740	-.07740
2.010	4.140	.10910	.14780	.00390	.73110	-.17850	-.21010	-.23100	.14210	-.08880	-.37310
2.010	4.650	.12640	.14920	.00150	.84750	-.17880	-.20980	-.38070	.18190	-.19880	-.56270
2.010	5.170	.14360	.15110	-.00080	.95060	-.17970	-.20890	-.48120	.17250	-.30870	-.65370
2.010	5.680	.16000	.15310	-.00340	1.04540	-.18210	-.20910	-.54200	.22540	-.31660	-.76750
2.010	6.210	.17830	.15630	-.00530	1.14090	-.18200	-.20880	-.62000	.17780	-.44220	-.79780
2.010	6.720	.19550	.15930	-.00310	1.22420	-.18630	-.20940	-.66140	.23490	-.42650	-.89340
2.010	7.240	.21300	.16300	-.00990	1.30620	-.18660	-.21140	-.76580	.22150	-.54430	-.98740
2.010	7.760	.22980	.16690	-.01080	1.37630	-.18870	-.21360	-.84700	.21620	-.63070	-1.06320
2.010	8.300	.24810	.17160	-.01160	1.44540	-.18970	-.21480	-.83150	.21650	-.61500	-1.04810
2.010	8.810	.26490	.17550	-.01300	1.50920	-.19290	-.21900	-.88150	.22720	-.65420	-1.10880
2.010	9.330	.28140	.18000	-.01340	1.56330	-.19560	-.22100	-.91280	.20350	-.70920	-1.11630
2.010	9.860	.30060	.18530	-.01500	1.62170	-.19600	-.22440	-.96680	.20260	-.76420	-1.16940
2.010	10.380	.31870	.19120	-.01560	1.66680	-.19860	-.22560	-.99370	.20600	-.78770	-1.19980
2.010	10.910	.33690	.19730	-.01620	1.70790	-.20180	-.22800	-1.01730	.18240	-.83480	-1.19980
2.010	11.430	.35430	.20320	-.01690	1.74310	-.20460	-.22920	-1.07110	.19690	-.87410	-1.26800
2.010	11.940	.37140	.20880	-.01780	1.77880	-.20660	-.23140	-1.08660	.18890	-.89770	-1.27560
2.010	12.470	.38830	.21530	-.01810	1.80390	-.20850	-.23220	-1.14840	.18780	-.96050	-1.33630
2.010	12.980	.40810	.22230	-.01940	1.83540	-.20880	-.23410	-1.23440	.12460	-1.10970	-1.35900
2.010	13.510	.42640	.22980	-.02010	1.85480	-.21090	-.23320	-1.26550	.10860	-1.15680	-1.37420
2.010	14.030	.44520	.23780	-.02110	1.87160	-.21140	-.23380	-1.35080	.08400	-1.26640	-1.43490
2.010	14.550	.46330	.24550	-.02120	1.88720	-.21090	-.23490	-1.42050	.06730	-1.35710	-1.48790
2.010	15.080	.48200	.25470	-.02280	1.89170	-.20820	-.23630	-1.48270	.04310	-1.43950	-1.52590
2.010	15.590	.50010	.26330	-.02280	1.89860	-.20760	-.23790	-1.50260	.00800	-1.49450	-1.51070
2.010	16.100	.51440	.27100	-.02350	1.89810	-.20880	-.23790	-1.56430	.00700	-1.55730	-1.57140
2.010	16.610	.53400	.28120	-.02480	1.89900	-.20830	-.23830	-1.59870	.02570	-1.57300	-1.62440
2.010	17.140	.55330	.29210	-.02620	1.89380	-.20630	-.23900	-1.68880	-.04910	-1.73790	-1.63960
2.010	17.640	.57110	.30240	-.02840	1.88820	-.20640	-.23900	-1.72290	-.01500	-1.73790	-1.70790
2.010	18.140	.58750	.31250	-.02860	1.87990	-.20800	-.23780	-1.80010	-.01630	-1.81650	-1.78370
2.010	18.640	.60410	.32310	-.03070	1.86920	-.20900	-.23830	-1.81210	-.04350	-1.85570	-1.76850
2.010	19.150	.62100	.33450	-.03210	1.85650	-.20840	-.23890	-1.86210	-.03290	-1.89500	-1.82920
2.010	19.630	.64030	.34760	-.03260	1.84200	-.21110	-.23910	-1.90810	-.01820	-1.92640	-1.88990
2.010	20.120	.65560	.35880	-.03340	1.82680	-.21290	-.24020	-1.93160	-.03410	-1.96570	-1.89750
2.010	20.580	.66880	.36920	-.03460	1.81120	-.21350	-.24100	-2.02850	-.06280	-2.09130	-1.96570
2.010	20.920	.68100	.37790	-.03470	1.80210	-.21550	-.24170	-2.03270	-.08210	-2.11490	-1.95060

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER +9-0

(SF0532)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1109/ 0 RN/L = 7.97

MACH	ALPHA	CL	CD	CLM	L/O	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.470	-.03200	.17110	.04010	-.18710	-.26070	-.30650	1.24330	-.04430	1.19900	1.28760
1.510	-.200	-.01930	.17050	.03680	-.11320	-.25990	-.30510	1.14990	-.09220	1.05760	1.24210
1.510	.090	-.00630	.16920	.03480	-.03750	-.26130	-.30620	1.06560	-.05510	1.01050	1.12080
1.510	.500	.01300	.16890	.03100	.07740	-.26030	-.30550	1.00430	-.03300	.97120	1.03740
1.510	1.010	.03550	.16800	.02710	.21170	-.26110	-.30530	.80400	-.01340	.79060	.81740
1.510	1.580	.06100	.16840	.02430	.36230	-.26280	-.30450	.63530	.04530	.68070	.58990
1.510	2.130	.08460	.16880	.02010	.50150	-.26320	-.30270	.38380	.00620	.39010	.37760
1.510	2.730	.11200	.16930	.01590	.66130	-.26530	-.30300	.13870	.11000	.24880	.02870
1.510	3.320	.13460	.16990	.01190	.79220	-.26600	-.30450	-.05750	.13360	.07600	-.19110
1.510	3.900	.16090	.17190	.00830	.93560	-.26600	-.30490	-.29500	.22970	-.06520	-.52480
1.510	4.500	.18900	.17540	.00500	1.07740	-.26720	-.30520	-.56040	.27520	-.28510	-.83570
1.510	5.090	.21350	.17870	.00180	1.19480	-.26870	-.30660	-.74260	.22960	-.51290	-.97220
1.510	5.690	.23870	.18170	-.00280	1.31390	-.27130	-.31120	-.83110	.23970	-.59140	-1.07080
1.510	6.290	.26830	.18730	-.00660	1.43260	-.27360	-.31220	-.96650	.21800	-.74850	-1.18460
1.510	6.900	.29680	.19320	-.01060	1.53570	-.27590	-.31390	-1.07120	.18920	-.88200	-1.26040
1.510	7.520	.32200	.19900	-.01570	1.61790	-.27980	-.31710	-1.12940	.16890	-.96050	-1.29830
1.510	8.150	.34700	.20490	-.02010	1.69330	-.28440	-.32120	-1.18370	.15250	-1.03120	-1.33630
1.510	8.770	.37380	.21240	-.02390	1.75950	-.28750	-.32260	-1.22990	.15940	-1.07040	-1.38940
1.510	9.400	.40030	.22050	-.02810	1.81540	-.29160	-.32450	-1.24890	.17840	-1.07040	-1.42730
1.510	10.020	.42900	.23000	-.03190	1.86520	-.29320	-.32450	-1.30710	.15810	-1.14900	-1.46520
1.510	10.660	.45680	.23920	-.03470	1.90890	-.29660	-.32760	-1.35990	.22660	-1.13330	-1.58650
1.510	11.290	.48340	.24950	-.03780	1.93740	-.29830	-.32780	-1.38010	.17610	-1.20390	-1.55620
1.510	11.940	.50630	.25830	-.04030	1.95990	-.30260	-.33160	-1.44220	.15180	-1.29030	-1.59410
1.510	12.580	.53590	.27030	-.04350	1.98210	-.30450	-.33230	-1.54260	.15010	-1.39240	-1.69270
1.510	13.230	.56250	.28250	-.04630	1.99080	-.30410	-.33060	-1.55140	.08820	-1.46310	-1.63960
1.510	13.880	.58860	.29450	-.04890	1.99840	-.30520	-.33130	-1.61690	.09090	-1.52590	-1.70790
1.510	14.510	.61500	.30700	-.05030	2.00300	-.30740	-.33530	-1.61660	.10640	-1.51020	-1.72300
1.510	15.180	.63960	.32010	-.05210	1.99810	-.31130	-.33880	-1.67540	.05520	-1.62010	-1.73060
1.510	15.820	.66500	.33460	-.05410	1.98710	-.31190	-.34140	-1.67110	.08230	-1.58870	-1.75340
1.510	16.480	.69180	.35030	-.05650	1.97470	-.31370	-.34500	-1.70220	.06630	-1.63590	-1.76850
1.510	17.120	.71520	.36510	-.05810	1.95890	-.31740	-.35060	-1.75610	.07310	-1.68300	-1.82920
1.510	17.740	.74110	.38200	-.06050	1.94000	-.31710	-.35290	-1.72930	.06200	-1.66730	-1.79130
1.510	18.370	.76890	.40020	-.06190	1.92120	-.31980	-.35600	-1.76770	.06900	-1.69970	-1.83680
1.510	19.030	.78950	.41630	-.06330	1.89660	-.32380	-.36030	-1.81460	.03730	-1.77720	-1.85200
1.510	19.650	.81290	.43360	-.06480	1.87470	-.32510	-.36220	-1.81000	.07980	-1.73010	-1.88990
1.510	20.190	.83560	.45100	-.06660	1.85270	-.32360	-.36140	-1.77920	.07270	-1.70650	-1.85200
1.510	20.690	.85070	.46370	-.06720	1.83450	-.32660	-.36350	-1.83000	.03710	-1.79290	-1.86710
1.510	21.080	.86640	.47650	-.06810	1.81820	-.32530	-.36320	-1.81850	.03340	-1.78510	-1.85200
1.510	21.380	.87610	.48490	-.06850	1.80680	-.32520	-.36450	-1.79480	.06470	-1.73010	-1.85950
1.510	21.600	.88520	.49180	-.06990	1.79380	-.32390	-.36300	-1.81840	.04110	-1.77720	-1.85950

LA67 (LTV 552) ORBITER 49-0

(SF0033)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 95/ 0 RN/L = 10.36

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	.440	.06030	.11390	-.00100	-.52950	-.07750	-.11190	.40470	.09530	.50010	.30930
2.990	.060	-.05190	.11310	-.00220	-.45900	-.07770	-.11220	.41250	.10320	.51580	.30930
2.990	.930	-.02710	.11050	-.00240	-.24580	-.07770	-.11230	.40460	.08760	.49220	.31690
2.990	1.800	-.00620	.10970	-.00260	-.05690	-.07810	-.11340	.37450	.13340	.50790	.24110
2.990	2.590	.01150	.10980	-.00370	.10520	-.07930	-.11370	.35930	.14850	.50790	.21070
2.990	3.400	.03180	.10990	-.00280	.29000	-.08180	-.11550	.32980	.22520	.55500	.10460
2.990	4.210	.05240	.11050	-.00280	.47420	-.08480	-.11640	.30700	.24790	.55500	.05910
2.990	5.000	.07190	.11150	-.00420	.64380	-.08660	-.11630	.18640	.18800	.37440	-.00150
2.990	5.820	.09340	.11310	-.00460	.82600	-.08930	-.11670	.09720	.15940	.25660	-.06220
2.990	6.620	.11530	.11570	-.00540	.99630	-.09260	-.11900	-.02830	.26140	.23310	-.28970
2.990	7.430	.13840	.11930	-.00620	1.16000	-.09280	-.11860	-.15100	.30550	.15450	-.45650
2.990	8.250	.16120	.12360	-.00670	1.30400	-.09400	-.11930	-.25120	.31150	.06030	-.56270
2.990	9.070	.18400	.12880	-.00720	1.42870	-.09600	-.12030	-.32890	.27930	-.04950	-.60820
2.990	9.890	.20680	.13470	-.00850	1.53560	-.09800	-.12120	-.40530	.32420	-.08100	-.72360
2.990	10.700	.23080	.14170	-.00950	1.62880	-.09790	-.12210	-.48200	.34610	-.13590	-.82810
2.990	11.520	.25520	.14960	-.01080	1.70570	-.09930	-.12320	-.55140	.35260	-.19870	-.90400
2.990	12.340	.27880	.15820	-.01130	1.76230	-.10060	-.12350	-.62870	.34350	-.28510	-.97220
2.990	13.160	.30230	.16710	-.01270	1.80860	-.10330	-.12470	-.73390	.28380	-.45000	-1.01770
2.990	13.980	.32610	.17690	-.01380	1.84340	-.10390	-.12470	-.76000	.33350	-.42650	-1.09360
2.990	14.800	.34960	.18730	-.01470	1.86650	-.10540	-.12580	-.81790	.33630	-.48150	-1.15430
2.990	15.620	.37470	.19920	-.01570	1.88120	-.10590	-.12550	-.84060	.35910	-.48150	-1.19980
2.990	16.450	.39950	.21170	-.01650	1.88710	-.10610	-.12500	-.83680	.35530	-.48150	-1.19220
2.990	17.270	.42260	.22460	-.01810	1.88080	-.10870	-.12600	-.90670	.33080	-.57570	-1.23770
2.990	18.090	.44730	.23880	-.01920	1.87290	-.10360	-.12630	-.94950	.31090	-.63850	-1.26040
2.990	18.910	.47200	.25360	-.02050	1.86100	-.10990	-.12530	-1.02310	.29030	-.73280	-1.31350
2.990	19.730	.49770	.26930	-.02210	1.84770	-.11200	-.12620	-1.08500	.28150	-.80340	-1.36660
2.990	20.560	.52190	.28530	-.02410	1.82910	-.11200	-.12550	-1.17870	.21820	-.96050	-1.39690
2.990	21.360	.54840	.30300	-.02560	1.80970	-.11360	-.12600	-1.28770	.16230	-1.12540	-1.45000
2.990	22.180	.57350	.32160	-.02760	1.78320	-.11270	-.12490	-1.32320	.11920	-1.20390	-1.44240
2.990	23.010	.60000	.34170	-.02870	1.75610	-.11280	-.12470	-1.38900	.10650	-1.28250	-1.49550
2.990	23.820	.62540	.36240	-.03070	1.72570	-.11470	-.12590	-1.46230	.10910	-1.35320	-1.57140
2.990	24.640	.64950	.38360	-.03280	1.69300	-.11460	-.12520	-1.51720	.05410	-1.46310	-1.57140
2.990	25.470	.67380	.40590	-.03460	1.65980	-.11530	-.12570	-1.57920	.03760	-1.54160	-1.61690
2.990	26.270	.70030	.43030	-.03660	1.62740	-.11480	-.12570	-1.61720	.07550	-1.54160	-1.69270
2.990	27.080	.72490	.45440	-.03790	1.59530	-.11500	-.12520	-1.66810	.03220	-1.63590	-1.70030
2.990	27.900	.75000	.48000	-.03990	1.56230	-.11400	-.12510	-1.71360	.07770	-1.63590	-1.79130
2.990	28.710	.77420	.50630	-.04170	1.52910	-.11460	-.12550	-1.73330	.05030	-1.68300	-1.78370
2.990	29.530	.79740	.53280	-.04360	1.49670	-.11560	-.12540	-1.83300	.03710	-1.79290	-1.86710
2.990	30.330	.82110	.56050	-.04570	1.46490	-.11540	-.12480	-1.90330	.03960	-1.86360	-1.94300
2.990	31.130	.84400	.58890	-.04800	1.43310	-.11470	-.12520	-1.94570	.04280	-1.90290	-1.98850
2.990	31.930	.86630	.61790	-.05020	1.40200	-.11570	-.12540	-2.05050	.00620	-2.04420	-2.05670
2.990	32.720	.88800	.64750	-.05200	1.37140	-.11510	-.12530	-2.07380	-.00180	-2.07560	-2.07190

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD033)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSHP =	1.000
BDFLAP =	.000	RUD0ER =	.000

RUN NO. 85/ 0 RN/L = 10.36

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	33.490	.90840	.67750	-.05390	1.34080	-.11550	-.12480	-2.17030	-.00740	-2.17770	-2.16290
2.990	34.250	.92680	.70680	-.05590	1.31130	-.11680	-.12590	-2.21660	-.00820	-2.22480	-2.20840
2.990	34.770	.93990	.72810	-.05800	1.29080	-.11520	-.12580	-2.25990	-.05910	-2.31910	-2.20080

LA67 (LTV 552) ORBITER 49-0

(SFD034)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 70/ 0 RN/L = 17.94

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	.170	-.05470	.09480	-.01380	-.57780	-.02260	-.02690	.45580	-.07340	.38230	.52920
4.591	1.270	-.03180	.09130	-.01370	-.34920	-.02220	-.02380	.38660	-.05920	.32730	.44580
4.591	2.270	-.01330	.08890	-.01140	-.15020	-.02350	-.02510	.39440	-.05140	.34300	.44580
4.591	3.200	.00800	.08780	-.01040	.09180	-.02380	-.02520	.40740	.02980	.43720	.37760
4.591	4.130	.02740	.08690	-.00960	.31600	-.02320	-.02660	.42240	.00690	.42940	.41550
4.591	5.060	.04730	.08780	-.01010	.53880	-.02190	-.02420	.34550	.02100	.36660	.32450
4.591	6.020	.06780	.08920	-.00970	.76030	-.02360	-.02520	.35760	.04820	.40580	.30930
4.591	6.960	.08980	.09160	-.00880	.97990	-.02370	-.02490	.26140	.06580	.32730	.19560
4.591	7.900	.10810	.09530	-.00990	1.13360	-.02410	-.02680	.17800	.14920	.32730	.02870
4.591	8.840	.12930	.09900	-.00930	1.30600	-.02420	-.02390	.11980	.12890	.24880	-.00910
4.591	9.780	.15290	.10480	-.00910	1.45890	-.02380	-.02320	.07400	.15900	.23310	-.08490
4.591	10.730	.17850	.11190	-.00870	1.59530	-.02450	-.02450	.03560	.16600	.20170	-.13040
4.591	11.670	.20220	.11950	-.00850	1.69150	-.02310	-.02410	-.02580	.18040	.15150	-.20630
4.591	12.640	.22600	.12780	-.01060	1.76730	-.02420	-.02410	-.09110	.19860	.10740	-.28970
4.591	13.570	.25320	.13800	-.01040	1.83370	-.02540	-.02700	-.15640	.21670	.06030	-.37310
4.591	14.530	.28050	.14880	-.01090	1.88450	-.02560	-.02660	-.20290	.20050	-.00240	-.40350
4.591	15.500	.30530	.16050	-.01090	1.90220	-.02380	-.02320	-.24130	.21520	-.02600	-.45650
4.591	16.440	.33170	.17280	-.01180	1.91970	-.02600	-.02730	-.32170	.24850	-.07310	-.57030
4.591	17.420	.35710	.18610	-.01290	1.91830	-.02480	-.02520	-.34800	.29050	-.05740	-.63860
4.591	18.370	.38480	.20180	-.01330	1.90650	-.02470	-.02390	-.38700	.26670	-.12020	-.65370
4.591	19.330	.41070	.21760	-.01390	1.88720	-.02440	-.02390	-.44850	.28110	-.16730	-.72960
4.591	20.290	.43890	.23530	-.01510	1.86530	-.02440	-.02430	-.52100	.32220	-.19880	-.84330
4.591	21.260	.46630	.25410	-.01610	1.83470	-.02470	-.02590	-.56370	.30990	-.25370	-.87370
4.591	22.210	.49380	.27460	-.01670	1.79870	-.02640	-.02760	-.68760	.28460	-.40290	-.97220
4.591	23.180	.52240	.29710	-.01740	1.75780	-.02590	-.02680	-.71790	.31490	-.40290	-1.03290
4.591	24.160	.55220	.32100	-.01830	1.71990	-.02540	-.02510	-.75650	.31430	-.44220	-1.07080
4.591	25.110	.58130	.34570	-.01940	1.68150	-.02640	-.02640	-.83860	.25500	-.58360	-1.09360
4.591	26.080	.60950	.37180	-.02050	1.63910	-.02570	-.02600	-.90840	.23060	-.67780	-1.13910
4.591	27.030	.63670	.39830	-.02230	1.59830	-.02590	-.02630	-.99740	.21750	-.77990	-1.21490
4.591	27.980	.66400	.42640	-.02350	1.55720	-.02710	-.02800	-1.12590	.14960	-.97620	-1.27560
4.591	28.940	.69340	.45700	-.02500	1.51710	-.02710	-.02800	-1.17680	.10630	-1.07040	-1.28320
4.591	29.880	.72170	.48820	-.02660	1.47820	-.02740	-.02800	-1.27390	.06990	-1.20390	-1.34380
4.591	30.830	.75010	.52080	-.02810	1.44010	-.02590	-.02590	-1.31640	.06530	-1.25110	-1.38180
4.591	31.780	.77410	.55290	-.03020	1.40000	-.02590	-.02550	-1.40130	.06380	-1.33740	-1.46520
4.591	32.720	.79980	.58700	-.03190	1.36240	-.02590	-.02590	-1.43680	.02080	-1.41600	-1.45760
4.591	33.630	.82440	.62150	-.03350	1.32630	-.02590	-.02550	-1.50630	.01960	-1.48660	-1.52590
4.591	34.430	.84780	.65500	-.03510	1.29420	-.02590	-.02670	-1.63850	-.04440	-1.68300	-1.59410
4.591	34.810	.85730	.67040	-.03550	1.27870	-.02640	-.02550	-1.65820	-.06400	-1.72220	-1.59410

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0534)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1070/ 0 RN/L = 16.66

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-.230	-.06350	.09600	-.01160	-.66150	-.02750	-.02580	-.89890	.11120	-.78770	-1.01020
4.591	.130	-.05690	.09450	-.01190	-.60270	-.02680	-.02840	-.92620	.09910	-.82700	-1.02530
4.591	.880	-.04120	.09200	-.01170	-.44750	-.02580	-.02840	-.96850	.10220	-.86630	-1.07080
4.591	1.880	-.02180	.08980	-.01160	-.24320	-.02750	-.02540	-.96080	.10240	-.85840	-1.06320
4.591	2.900	-.00150	.08880	-.01030	-.01730	-.02610	-.02710	-1.03460	.07410	-.96050	-1.10880
4.591	3.950	.02020	.08820	-.00970	.22960	-.02680	-.02800	-1.05010	.07380	-.97620	-1.12390
4.591	5.000	.04260	.08840	-.01000	.48250	-.02580	-.02710	-1.07310	.08110	-.99190	-1.15430
4.591	6.040	.06540	.08970	-.01010	.72950	-.02760	-.02750	-1.15050	.06430	-1.08620	-1.21490
4.591	7.110	.09000	.09300	-.00970	.96690	-.02780	-.02500	-1.14620	.09140	-1.05470	-1.23770
4.591	8.200	.11440	.09770	-.00910	1.17140	-.02760	-.02460	-1.16980	.06790	-1.10190	-1.23770
4.591	9.300	.14070	.10360	-.00800	1.35770	-.02780	-.02590	-1.16190	.07570	-1.08620	-1.23770
4.591	10.420	.16760	.11090	-.00870	1.51110	-.02660	-.02800	-1.18930	.05590	-1.13330	-1.24530
4.591	11.520	.19760	.11940	-.00890	1.65450	-.02730	-.02630	-1.20460	.06340	-1.14110	-1.26800
4.591	12.650	.22660	.12940	-.01010	1.75110	-.02630	-.02800	-1.26250	.05850	-1.20390	-1.32110
4.591	13.780	.25650	.14080	-.01000	1.82180	-.02730	-.02710	-1.27010	.06610	-1.20390	-1.33630
4.591	14.930	.28810	.15390	-.00950	1.87130	-.02710	-.02800	-1.25850	.07020	-1.18820	-1.32870
4.591	16.080	.32060	.16880	-.00970	1.89830	-.02780	-.02710	-1.29730	.05410	-1.24320	-1.35140
4.591	17.240	.35380	.18530	-.01100	1.90860	-.02760	-.02760	-1.33930	.08030	-1.25890	-1.41970
4.591	18.390	.38490	.20270	-.01210	1.89800	-.02560	-.02760	-1.35490	.07230	-1.28250	-1.42730
4.591	19.570	.41960	.22360	-.01230	1.87590	-.02580	-.02500	-1.38980	.06020	-1.32960	-1.45000
4.591	20.760	.45170	.24500	-.01370	1.84310	-.02760	-.02720	-1.39020	.03700	-1.35310	-1.42730
4.591	21.930	.48650	.26960	-.01440	1.80450	-.02560	-.02590	-1.40540	.05220	-1.35310	-1.45760
4.591	23.130	.52190	.29640	-.01620	1.76040	-.02640	-.02720	-1.43670	.02850	-1.40810	-1.46520
4.591	24.320	.55860	.32600	-.01750	1.71360	-.02560	-.02550	-1.45570	.03970	-1.41600	-1.49550
4.591	25.540	.59530	.35770	-.01960	1.66410	-.02760	-.02760	-1.49080	.01980	-1.47090	-1.51070
4.591	26.760	.63140	.39200	-.02140	1.61060	-.02740	-.02670	-1.52980	-.00390	-1.53380	-1.52590
4.591	27.970	.66670	.42780	-.02350	1.55830	-.02590	-.02590	-1.54890	.00720	-1.54160	-1.55620
4.591	29.210	.70410	.46710	-.02620	1.50720	-.02660	-.02590	-1.59890	.01790	-1.58090	-1.61690
4.591	30.450	.74000	.50830	-.02810	1.45570	-.02740	-.02810	-1.61430	.01770	-1.59660	-1.63200
4.591	31.660	.77540	.55160	-.03080	1.40570	-.02590	-.02590	-1.59490	.02190	-1.57300	-1.61690
4.591	32.870	.80910	.59660	-.03300	1.35620	-.02540	-.02630	-1.63390	-.00190	-1.63580	-1.63200
4.591	33.880	.83680	.63590	-.03420	1.31590	-.02560	-.02550	-1.64550	.00170	-1.64370	-1.64720
4.591	34.540	.85260	.66150	-.03570	1.28880	-.02590	-.02630	-1.67620	.00890	-1.66730	-1.68510
4.591	34.770	.85750	.66920	-.03560	1.28130	-.02710	-.02720	-1.66500	-.01010	-1.67510	-1.65480

LA67 (LTV 552) ORBITER 49-0

(SF0035)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 125/ 0 RN/L = 7.96

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	VN-L	ELVN-R
1.510	-1.890	-.09520	.17690	.05010	-.53800	-.28030	.58770	1.82380	.05830	1.88220	1.76540
1.510	-1.320	-.07020	.17420	.04600	-.40300	-.28380	.58250	1.82380	.05830	1.88220	1.76540
1.510	-.550	-.03400	.17310	.03900	-.19670	-.28330	.59040	1.81270	.08520	1.89790	1.72750
1.510	.070	-.00270	.17210	.03300	-.01580	-.28450	.59310	1.82100	.11620	1.93720	1.70470
1.510	.710	.02800	.17090	.02690	.16370	-.28810	.58890	1.79010	.11560	1.90570	1.67440
1.510	1.270	.05680	.17160	.02240	.33120	-.28800	.59420	1.78590	.09630	1.88220	1.68960
1.510	1.810	.08130	.17130	.01740	.47440	-.29120	.58980	1.75150	.11500	1.86650	1.63650
1.510	2.380	.10820	.17310	.01270	.62530	-.28970	.59520	1.69760	.12170	1.81940	1.57580
1.510	2.940	.13280	.17360	.00860	.76510	-.29350	.58900	1.63640	.15150	1.78800	1.48480
1.510	3.500	.15580	.17550	.00440	.88800	-.29270	.59040	1.46720	.18720	1.65450	1.28000
1.510	4.080	.18430	.17820	.00010	1.03390	-.29360	.59400	1.22650	.09810	1.32460	1.12840
1.510	4.640	.20820	.18030	-.00320	1.15460	-.29250	.58900	1.01660	.00950	1.02620	1.00700
1.510	5.200	.23340	.18350	-.00660	1.27150	-.29320	.59060	.78480	-.00980	.77490	.79470
1.510	5.780	.26160	.18850	-.01010	1.38720	-.29470	.59420	.63110	.02600	.65710	.60510
1.510	6.340	.28580	.19260	-.01440	1.48340	-.29750	.59100	.47700	.03870	.51580	.43820
1.510	6.920	.31310	.19860	-.01840	1.57640	-.29640	.59150	.44380	.12690	.57070	.31690
1.510	7.460	.33720	.20420	-.02290	1.65130	-.30040	.59280	.34440	.17910	.52360	.16520
1.510	8.050	.36190	.21100	-.02540	1.71480	-.30270	.59080	.27510	.18570	.46080	.08940
1.510	8.600	.38440	.21750	-.02910	1.76710	-.30630	.59010	.21830	.25020	.46860	-.03190
1.510	9.170	.40960	.22540	-.03140	1.81710	-.31230	.59080	.10970	.21750	.32730	-.10770
1.510	9.750	.43630	.23390	-.03480	1.86530	-.31380	.59400	.04020	.20860	.24880	-.16840
1.510	10.300	.45820	.24100	-.03720	1.90080	-.31580	.58970	-.10570	.24460	.13880	-.35040
1.510	10.880	.48380	.25050	-.04030	1.93130	-.31360	.59470	-.22600	.20780	-.01810	-.43380
1.510	11.430	.50500	.25850	-.04350	1.95320	-.31490	.59480	-.36830	.23230	-.13590	-.60060
1.510	11.990	.52820	.26700	-.04560	1.97780	-.31520	.59080	-.41050	.24310	-.16730	-.65370
1.510	12.570	.55210	.27720	-.04720	1.99150	-.31290	.59730	-.49960	.22230	-.27730	-.72200
1.510	13.130	.57450	.28680	-.05000	2.00300	-.31230	.59570	-.55640	.28690	-.26940	-.84330
1.510	13.700	.59810	.29750	-.05180	2.01050	-.31180	.59320	-.66890	.25020	-.41860	-.91920
1.510	14.240	.61820	.30730	-.05310	2.01160	-.31450	.58670	-.69540	.27670	-.41860	-.97220
1.510	14.810	.64150	.31930	-.05550	2.00860	-.31520	.58770	-.71410	.31120	-.40290	-1.02530
1.510	15.390	.66390	.33190	-.05710	2.00020	-.31740	.59100	-.74140	.29910	-.44220	-1.04050
1.510	15.940	.68550	.34440	-.05860	1.99020	-.32300	.59100	-.82260	.28610	-.53640	-1.10080
1.510	16.500	.70870	.35800	-.06060	1.97930	-.32540	.58970	-.82290	.27070	-.55210	-1.09360
1.510	17.060	.73020	.37180	-.06170	1.96390	-.32900	.59030	-.85750	.27390	-.58350	-1.13150
1.510	17.610	.74970	.38540	-.06260	1.94530	-.33140	.58420	-.89580	.28870	-.60710	-1.18460
1.510	18.180	.77300	.40130	-.06490	1.92600	-.33530	.58970	-.99200	.30630	-.68560	-1.29830
1.510	18.720	.79170	.41510	-.06580	1.90710	-.33790	.58570	-.1.06580	.27800	-.78770	-1.34380
1.510	19.280	.81170	.43070	-.06610	1.88440	-.34170	.58520	-.1.11600	.27330	-.84270	-1.38940
1.510	19.810	.83130	.44530	-.06760	1.86380	-.34440	.58130	-.1.18590	.24890	-.93690	-1.43490
1.510	20.360	.85020	.46040	-.06750	1.84530	-.34620	.58210	-.1.29110	.18920	-.1.10190	-1.48040
1.510	20.900	.87110	.47680	-.06910	1.82580	-.34690	.58550	-.1.37650	.15690	-.1.21960	-1.53340
1.510	21.440	.89110	.49360	-.07040	1.80530	-.34950	.59000	-.1.41490	.17160	-.1.24320	-1.58650

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD035)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 125/ 0 RN/L = 7.96

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	21.960	.91020	.51030	-.07020	1.78350	-.35100	.59070	-1.43490	.12880	-1.30600	-1.56380
1.510	22.340	.92320	.52180	-.07050	1.76930	-.35030	.58630	-1.45790	.13610	-1.32170	-1.59410

LA67 (LTV 552) ORBITER 49-0

(SFD035)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	1.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 127/ 0 RN/L = 8.06

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-1.970	-.10110	.15190	.02960	-.66560	-.18670	.81150	.94380	-.40440	.53930	1.34830
2.010	-1.450	-.08190	.14980	.02690	-.54710	-.18820	.81700	.90540	-.39740	.50790	1.30280
2.010	-.670	-.05330	.14750	.02260	-.36140	-.18860	.82290	.88610	-.39390	.49220	1.28000
2.010	-.030	-.03040	.14600	.01810	-.20810	-.18900	.82450	.89400	-.38600	.50790	1.28000
2.010	.600	-.00540	.14550	.01540	-.03730	-.19160	.82790	.86040	-.32100	.53930	1.18150
2.010	1.160	.01420	.14460	.01240	.09880	-.19410	.82290	.83060	-.25980	.57070	1.09050
2.010	1.720	.03240	.14460	.01040	.22440	-.19550	.82360	.75750	-.24950	.50790	1.00700
2.010	2.310	.05390	.14510	.00770	.37140	-.19470	.82290	.60340	-.23680	.36660	.84020
2.010	2.870	.07600	.14650	.00590	.51860	-.19760	.82650	.55890	-.12950	.42940	.68850
2.010	3.460	.09480	.14700	.00360	.64480	-.19820	.82290	.33730	-.00990	.32730	.34720
2.010	4.030	.11340	.14830	.00160	.76450	-.19930	.82140	.12100	-.02140	.09950	.14250
2.010	4.590	.13210	.14980	-.00040	.88170	-.19910	.81760	-.04530	-.05130	-.09670	.00600
2.010	5.160	.15240	.15270	-.00230	.99800	-.20050	.82030	-.19940	-.03860	-.23800	-.16080
2.010	5.730	.17080	.15480	-.00410	1.10310	-.20200	.81530	-.30640	.02120	-.28510	-.32760
2.010	6.310	.19330	.15910	-.00690	1.21470	-.20550	.81810	-.44490	.04190	-.40290	-.48690
2.010	6.890	.21200	.16240	-.00850	1.30510	-.20600	.81600	-.53320	.06740	-.46580	-.60060
2.010	7.440	.22920	.16560	-.01020	1.38370	-.20720	.81470	-.63010	.03870	-.59140	-.66890
2.010	8.040	.25050	.17040	-.01160	1.47010	-.20650	.81170	-.65600	.10380	-.55210	-.75990
2.010	8.610	.26880	.17560	-.01360	1.53040	-.20750	.81470	-.72120	.12970	-.59140	-.85090
2.010	9.180	.28980	.18040	-.01450	1.60640	-.20880	.81200	-.81020	.10890	-.70130	-.91920
2.010	9.750	.30710	.18550	-.01620	1.65590	-.21050	.81220	-.82580	.10090	-.72490	-.92670
2.010	10.330	.32850	.19210	-.01740	1.71030	-.21360	.81470	-.95740	.07540	-.88200	-1.03290
2.010	10.920	.34830	.19890	-.01760	1.75060	-.21620	.81570	-1.00860	.01670	-.99190	-1.02530
2.010	11.500	.36840	.20530	-.01820	1.79400	-.21740	.81220	-1.09430	-.03100	-1.12540	-1.06320
2.010	12.090	.38860	.21320	-.01910	1.82250	-.21900	.81470	-1.11340	-.01980	-1.13330	-1.09360
2.010	12.680	.40980	.22090	-.01970	1.85540	-.21950	.81280	-1.20310	-.07150	-1.27460	-1.13150
2.010	13.230	.43170	.22930	-.02080	1.88220	-.22280	.81500	-1.29580	-.08080	-1.37670	-1.21490
2.010	13.830	.45080	.23810	-.02220	1.89340	-.22150	.81550	-1.35430	-.11660	-1.47090	-1.23770
2.010	14.390	.47120	.24630	-.02290	1.91280	-.22280	.81370	-1.38590	-.15570	-1.54160	-1.23010
2.010	14.980	.49220	.25610	-.02350	1.92200	-.22230	.81340	-1.44020	-.17210	-1.61230	-1.26800
2.010	15.560	.51230	.26680	-.02510	1.91990	-.22050	.81640	-1.45880	-.13770	-1.59660	-1.32110
2.010	16.120	.53140	.27620	-.02590	1.92380	-.22120	.81570	-1.53710	-.20080	-1.73800	-1.33630
2.010	16.700	.55140	.28730	-.02720	1.91900	-.22060	.81640	-1.56780	-.19360	-1.76150	-1.37420
2.010	17.270	.57420	.29970	-.02870	1.91560	-.21960	.81830	-1.60290	-.21350	-1.81650	-1.38940
2.010	17.860	.59280	.31180	-.03000	1.90150	-.21870	.82000	-1.69930	-.21130	-1.91070	-1.48790
2.010	18.410	.60950	.32250	-.03150	1.88960	-.22270	.81700	-1.73830	-.23520	-1.97350	-1.50310
2.010	18.990	.62970	.33610	-.03320	1.87370	-.22320	.81660	-1.77680	-.22810	-2.00500	-1.54860
2.010	19.560	.64900	.34970	-.03410	1.85580	-.22530	.81710	-1.85410	-.23720	-2.09130	-1.61690
2.010	20.110	.66800	.36310	-.03620	1.83970	-.22640	.81850	-1.95810	-.22740	-2.18560	-1.73060
2.010	20.680	.68690	.37720	-.03700	1.82070	-.22790	.82000	-2.00900	-.27080	-2.27980	-1.73820
2.010	21.230	.70360	.39030	-.03800	1.80260	-.23180	.81880	-2.02390	-.24010	-2.26410	-1.78370
2.010	21.810	.72320	.40580	-.03940	1.78220	-.23310	.82000	-2.10910	-.25710	-2.36620	-1.85200

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD035)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 127/ 0 RN/L = 8.06

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	22.320	.73830	.41830	-.04130	1.76490	-.23580	.81850	-2.10460	-.22230	-2.32690	-1.88230
2.010	22.830	.75620	.43290	-.04290	1.74710	-.23550	.82070	-2.15890	-.23860	-2.39760	-1.92020
2.010	23.210	.77130	.44480	-.04420	1.73370	-.23690	.82310	-2.16700	-.26190	-2.42900	-1.90500

LA67 (LTV 552) ORBITER 49-0

(SF0535)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	1.000	ALFSNP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1125/ 0 RN/L = 7.97

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-1.960	-.09990	.17670	.05260	-.56540	-.28020	.59090	1.66540	.04400	1.70940	1.62130
1.510	-1.710	-.08810	.17590	.05000	-.50100	-.28150	.59240	1.58370	.00790	1.59160	1.57580
1.510	-1.440	-.07270	.17460	.04770	-.41650	-.28280	.58960	1.57170	-.01930	1.55240	1.59100
1.510	-1.040	-.05450	.17320	.04430	-.31510	-.28400	.58650	1.42810	-.06420	1.36390	1.49240
1.510	-.520	-.02810	.17180	.03970	-.16390	-.28570	.58550	1.34760	-.03860	1.30890	1.38620
1.510	.060	-.00180	.17120	.03400	-.01060	-.28690	.59140	1.19500	.05900	1.25400	1.13600
1.510	.680	.02810	.17060	.02970	.16510	-.28920	.58710	1.07160	.06450	1.13620	1.00700
1.510	1.310	.05560	.17050	.02430	.32640	-.28850	.58830	.79770	.06360	.86130	.73400
1.510	1.950	.08500	.17130	.02010	.49630	-.28950	.58990	.56680	.09820	.66500	.46860
1.510	2.590	.11520	.17180	.01560	.67030	-.28990	.58320	.31150	.06280	.37440	.24860
1.510	3.240	.14390	.17380	.01070	.82780	-.28980	.58520	.02700	.11960	.14670	-.09250
1.510	3.890	.17240	.17630	.00660	.97780	-.29060	.58750	-.28110	.14510	-.13590	-.42620
1.510	4.550	.20240	.17920	.00210	1.12980	-.29130	.58760	-.40360	.19700	-.20660	-.60060
1.510	5.190	.23220	.18220	-.00210	1.27430	-.29170	.58270	-.51060	.25680	-.25370	-.76750
1.510	5.860	.26280	.18740	-.00710	1.40200	-.29260	.59050	-.61070	.27050	-.34010	-.68120
1.510	6.510	.29060	.19210	-.01170	1.51260	-.29380	.58500	-.70630	.31900	-.38720	-.1.02530
1.510	7.180	.32070	.19870	-.01640	1.61360	-.29720	.58770	-.81070	.30560	-.50500	-.1.11630
1.510	7.840	.35220	.20640	-.02090	1.70350	-.30190	.58550	-.82290	.27070	-.55210	-.1.09360
1.510	8.500	.38040	.21430	-.02500	1.77490	-.30430	.58270	-.89640	.25780	-.63850	-.1.15430
1.510	9.180	.41060	.22360	-.02910	1.83600	-.30820	.58670	-.91530	.27680	-.63850	-.1.19220
1.510	9.860	.43870	.23320	-.03230	1.88070	-.31120	.58950	-.99980	.29850	-.70130	-.1.29630
1.510	10.540	.46570	.24270	-.03570	1.91850	-.31260	.58800	-1.02670	.30960	-.71710	-.1.33630
1.510	11.200	.49480	.25290	-.03890	1.95670	-.31300	.58220	-1.07430	.23160	-.84270	-.1.30590
1.510	11.890	.52390	.26450	-.04260	1.98040	-.31340	.58880	-1.16680	.23770	-.92910	-.1.40450
1.510	12.570	.55100	.27540	-.04510	2.00040	-.31360	.58340	-1.19130	.21020	-.98410	-.1.40450
1.510	13.250	.57960	.28770	-.04780	2.01410	-.31380	.58190	-1.21370	.20600	-1.00760	-.1.41970
1.510	13.940	.60530	.30020	-.05060	2.01630	-.31590	.58170	-1.28270	.22790	-1.05470	-.1.51070
1.510	14.640	.63570	.31530	-.05330	2.01610	-.31820	.58700	-1.31780	.20800	-1.10970	-.1.52590
1.510	15.340	.66330	.33040	-.05530	2.00720	-.32340	.58850	-1.34130	.18450	-1.15680	-.1.52590
1.510	16.020	.68920	.34550	-.05810	1.99460	-.32690	.58300	-1.40010	.13330	-1.26680	-.1.53340
1.510	16.750	.72030	.36430	-.05980	1.97710	-.33180	.58930	-1.40000	.14100	-1.25890	-.1.54100
1.510	17.440	.74540	.38120	-.06190	1.95520	-.33580	.58990	-1.42660	.15980	-1.26680	-.1.58650
1.510	18.100	.76710	.39680	-.06330	1.93310	-.33900	.58240	-1.46500	.17460	-1.29030	-.1.63960
1.510	18.790	.79560	.41660	-.06540	1.90980	-.34290	.58300	-1.48850	.15100	-1.33740	-.1.63960
1.510	19.500	.82370	.43750	-.06680	1.88250	-.34740	.58630	-1.46120	.17080	-1.29030	-.1.63200
1.510	20.180	.84870	.45720	-.06830	1.85620	-.34790	.58580	-1.49680	.12000	-1.37670	-.1.61690
1.510	20.810	.87080	.47530	-.06810	1.83200	-.34940	.58480	-1.46150	.15540	-1.30600	-.1.61690
1.510	21.360	.88830	.49100	-.06880	1.80910	-.34990	.58400	-1.49640	.14320	-1.35320	-.1.63960
1.510	21.830	.90780	.50720	-.07100	1.78970	-.34960	.58960	-1.53880	.14630	-1.39240	-.1.68510
1.510	22.170	.91790	.51710	-.07000	1.77510	-.34860	.58330	-1.51630	.10810	-1.40810	-.1.62440
1.510	22.500	.92680	.52550	-.07070	1.76350	-.34870	.58430	-1.50780	.15460	-1.35320	-.1.66240

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD535)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDRBK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPS	=	1.000
BETA	=	1.000	ALFSHP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1127/ 0 RN/L = 8.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-2.000	-.10270	.15240	.03080	-.67410	-.18850	.81220	.57470	-.33370	.24090	.90840
2.010	-1.790	-.09510	.15080	.02990	-.63060	-.19010	.80850	.46350	-.29320	.17020	.75680
2.010	-1.530	-.08520	.15000	.02760	-.56810	-.19010	.80870	.36750	-.26790	.09950	.63540
2.010	-1.160	-.07160	.14910	.02630	-.48040	-.19150	.81080	.26770	-.23880	.02890	.50650
2.010	-.690	-.05490	.14760	.02360	-.37190	-.19160	.81140	.10670	-.17980	-.07310	.28660
2.010	-.160	-.03530	.14610	.02070	-.24210	-.19450	.81230	-.10380	-.08710	-.19090	-.01670
2.010	.440	-.01360	.14520	.01850	-.09420	-.19570	.81380	-.34200	-.02950	-.37150	-.31250
2.010	1.070	.00950	.14420	.01570	.06640	-.19730	.81130	-.55770	-.01010	-.56780	-.54750
2.010	1.720	.03180	.14470	.01330	.22020	-.19640	.81320	-.80010	.02800	-.77200	-.82810
2.010	2.330	.05350	.14460	.01100	.36990	-.19970	.81160	-1.06170	.06970	-.99190	-1.13150
2.010	2.980	.07620	.14510	.00840	.52520	-.20110	.81030	-1.23340	-.04120	-1.27460	-1.19220
2.010	3.640	.09860	.14710	.00640	.67010	-.19990	.81320	-1.36890	-.07050	-1.43950	-1.29830
2.010	4.280	.12110	.14880	.00370	.81380	-.20190	.81350	-1.45800	-.09140	-1.54950	-1.36660
2.010	4.930	.14340	.15110	.00030	.94880	-.20260	.81510	-1.52100	-.16190	-1.68300	-1.35300
2.010	5.550	.16580	.15330	-.00140	1.08100	-.20630	.81220	-1.56690	-.13960	-1.70650	-1.42730
2.010	6.210	.18900	.15700	-.00390	1.20380	-.20610	.81300	-1.65290	-.20280	-1.85570	-1.45000
2.010	6.870	.20970	.16140	-.00680	1.29930	-.20670	.81730	-1.71530	-.24250	-1.95780	-1.47280
2.010	7.520	.23200	.16580	-.00900	1.39890	-.20980	.81780	-1.73440	-.23120	-1.96570	-1.50310
2.010	8.180	.25420	.17080	-.01070	1.49830	-.21000	.81700	-1.75710	-.20850	-1.96570	-1.54860
2.010	8.820	.27580	.17570	-.01170	1.56970	-.21380	.81310	-1.83090	-.23680	-2.06780	-1.59410
2.010	9.490	.29840	.18260	-.01400	1.63430	-.21610	.81530	-1.83090	-.23680	-2.06780	-1.59410
2.010	10.150	.32240	.18900	-.01510	1.70560	-.21840	.81050	-1.87350	-.24140	-2.11490	-1.63200
2.010	10.830	.34560	.19660	-.01600	1.75740	-.21940	.81200	-1.94630	-.21560	-2.16200	-1.73060
2.010	11.500	.36960	.20500	-.01650	1.80280	-.21980	.81500	-1.96950	-.21600	-2.18560	-1.75340
2.010	12.190	.39400	.21400	-.01800	1.84060	-.22160	.81900	-1.98450	-.19320	-2.17770	-1.79130
2.010	12.850	.41720	.22280	-.01960	1.87240	-.22100	.81680	-2.01590	-.22460	-2.24050	-1.79130
2.010	13.550	.44320	.23340	-.02040	1.89900	-.22110	.82100	-2.01940	-.20530	-2.22480	-1.81400
2.010	14.230	.46750	.24390	-.02250	1.91690	-.22080	.81910	-2.01980	-.22850	-2.24840	-1.79130
2.010	14.920	.49200	.25550	-.02370	1.92570	-.22140	.82080	-2.03490	-.20560	-2.24050	-1.82920
2.010	15.620	.51640	.26740	-.02430	1.93070	-.22230	.82130	-2.06550	-.19070	-2.25620	-1.87470
2.010	16.300	.54120	.28050	-.02580	1.92950	-.22370	.82230	-2.07700	-.18710	-2.26410	-1.88990
2.010	16.980	.56320	.29310	-.02800	1.92110	-.22530	.81920	-2.11190	-.19920	-2.31120	-1.91260
2.010	17.700	.58940	.30850	-.02930	1.91040	-.22780	.82090	-2.11220	-.21470	-2.32690	-1.89750
2.010	18.380	.61110	.32250	-.03170	1.89470	-.22990	.81770	-2.13900	-.20360	-2.34260	-1.93540
2.010	19.060	.63380	.33780	-.03320	1.87600	-.23190	.81810	-2.15090	-.22310	-2.37400	-1.92780
2.010	19.750	.65810	.35440	-.03510	1.85680	-.23450	.81840	-2.12400	-.22650	-2.35050	-1.89750
2.010	20.440	.67850	.37040	-.03680	1.83170	-.23580	.81650	-2.19340	-.22770	-2.42110	-1.96570
2.010	21.150	.70540	.39010	-.03920	1.80790	-.23800	.82160	-2.17030	-.22730	-2.39760	-1.94300
2.010	21.770	.72510	.40600	-.03970	1.78580	-.23880	.82010	-2.19330	-.22000	-2.41330	-1.97330
2.010	22.300	.74040	.41910	-.04160	1.76640	-.24000	.81690	-2.17330	-.17720	-2.35050	-1.99610
2.010	22.760	.75900	.43340	-.04280	1.75100	-.23830	.82020	-2.20940	-.25880	-2.46830	-1.95060
2.010	23.110	.76770	.44210	-.04300	1.73620	-.24030	.81890	-2.17800	-.22740	-2.40540	-1.95060

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TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0535)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1127/ 0 RN/L = 8.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	23.370	.77680	.44960	-.04430	1.72750	-.23990	.82390	-2.15480	-.22700	-2.38190	-1.92780

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 315

LA67 (LTV 552) ORBITER 49-0

(SFD036)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	1.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 129/ 0 RN/L = 10.53

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	-2.090	-.09340	.12020	-.00170	-.77690	-.10340	1.03700	.30950	-.27280	.03670	.58230
2.990	-1.590	-.08180	.11820	-.00100	-.69210	-.10430	1.03530	.34030	-.27990	.06030	.62030
2.990	-.840	-.06450	.11550	-.00010	-.55850	-.10550	1.03080	.33650	-.27610	.06030	.61270
2.990	-.200	-.04910	.11380	-.00120	-.43120	-.10570	1.02500	.31400	-.23790	.07600	.55200
2.990	.400	-.03530	.11270	-.00010	-.31380	-.10520	1.01750	.26720	-.26960	-.00240	.53680
2.990	.960	-.02220	.11210	-.00150	-.19820	-.10420	1.00760	.24100	-.21990	.02100	.46100
2.990	1.490	-.01060	.11140	-.00190	-.09550	-.10600	.99600	.22210	-.20100	.02100	.42310
2.990	2.050	.00240	.11080	-.00190	.02180	-.10640	.98160	.18030	-.15930	.02100	.33970
2.990	2.580	.01660	.11010	-.00230	.15110	-.10580	.96480	.11110	-.14500	-.03380	.25620
2.990	3.130	.03110	.10990	-.00290	.28310	-.10740	.94890	.06560	-.09950	-.03380	.16520
2.990	3.700	.04520	.11010	-.00320	.41120	-.10810	.93530	-.14040	.02790	-.11240	-.16840
2.990	4.250	.05960	.11040	-.00360	.54030	-.10810	.92210	-.32850	.08250	-.24590	-.41100
2.990	4.820	.07420	.11110	-.00400	.66320	-.10820	.91090	-.43310	.05370	-.37940	-.48690
2.990	5.370	.08870	.11200	-.00370	.79210	-.10780	.90060	-.49200	-.00510	-.49720	-.48390
2.990	5.950	.10530	.11370	-.00440	.92650	-.10840	.89330	-.57230	.03580	-.53640	-.60820
2.990	6.510	.12060	.11570	-.00480	1.04180	-.10950	.88720	-.63390	.04250	-.59140	-.67650
2.990	7.050	.13530	.11790	-.00430	1.14740	-.10990	.87920	-.62950	.07730	-.55210	-.70680
2.990	7.620	.15230	.12090	-.00510	1.25390	-.11050	.87540	-.70290	.07210	-.63070	-.77510
2.990	8.190	.16790	.12410	-.00480	1.35280	-.11090	.87450	-.69120	.07620	-.61500	-.76750
2.990	8.740	.18400	.12780	-.00590	1.43980	-.11110	.87040	-.80710	.06650	-.74060	-.87370
2.990	9.310	.20040	.13210	-.00590	1.51730	-.11110	.87100	-.80310	.07810	-.72490	-.88120
2.990	9.860	.21650	.13620	-.00650	1.58970	-.11280	.86940	-.82190	.10480	-.71710	-.92670
2.990	10.430	.23330	.14110	-.00650	1.65380	-.11210	.87050	-.87240	.08460	-.78770	-.95710
2.990	10.990	.25020	.14640	-.00760	1.70790	-.11460	.87410	-.91050	.11480	-.79560	-1.02530
2.990	11.540	.26640	.15170	-.00750	1.75550	-.11390	.87620	-.95360	.07160	-.88200	-1.02530
2.990	12.110	.28280	.15770	-.00850	1.79290	-.11430	.88060	-1.01110	.09760	-.91340	-1.10880
2.990	12.660	.29880	.16360	-.00500	1.82560	-.11580	.88540	-.98050	.08270	-.89770	-1.06320
2.990	13.220	.31630	.17050	-.01000	1.85470	-.11640	.89060	-1.03060	.08570	-.94480	-1.11630
2.990	13.760	.33150	.17680	-.01110	1.87490	-.11620	.89480	-1.15120	.02570	-1.12540	-1.17700
2.990	14.310	.34740	.18370	-.01210	1.89020	-.11770	.89850	-1.16650	.03320	-1.13330	-1.19980
2.990	14.870	.36370	.19140	-.01210	1.89980	-.11770	.90450	-1.24840	-.01830	-1.26680	-1.23010
2.990	15.420	.38120	.19930	-.01340	1.91250	-.11900	.90810	-1.26410	-.03400	-1.29820	-1.23010
2.990	15.980	.39830	.20790	-.01360	1.91570	-.11910	.91210	-1.32610	-.05050	-1.27670	-1.27560
2.990	16.520	.41430	.21610	-.01470	1.91690	-.11960	.91380	-1.36950	-.10140	-1.47090	-1.26800
2.990	17.070	.42980	.22490	-.01550	1.91060	-.12080	.91700	-1.40740	-.06350	-1.47090	-1.34380
2.990	17.620	.44590	.23390	-.01700	1.90580	-.12120	.91960	-1.45420	-.09520	-1.54950	-1.35900
2.990	18.160	.46200	.24320	-.01780	1.89920	-.12050	.92020	-1.50500	-.13080	-1.62530	-1.37420
2.990	18.710	.47830	.25320	-.01880	1.88900	-.12110	.92160	-1.58270	-.16300	-1.74580	-1.41970
2.990	19.260	.49450	.26340	-.01900	1.87740	-.12230	.92360	-1.60970	-.15960	-1.76940	-1.45000
2.990	19.820	.51190	.27450	-.02010	1.86470	-.12140	.92550	-1.61770	-.17520	-1.79290	-1.44240
2.990	20.350	.52760	.28510	-.02180	1.85050	-.12210	.92350	-1.64070	-.16790	-1.80860	-1.47280
2.990	20.890	.54370	.29630	-.02280	1.83490	-.12100	.92250	-1.70640	-.17290	-1.87930	-1.53340

LA67 (LTV 552) ORBITER 49-0

(SFD036)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 129/ 0 RN/L = 10.53

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	21.430	.56190	.30860	-.02410	1.82050	-.12260	.92170	-1.74430	-.13500	-1.87930	-1.60930
2.990	21.940	.57800	.32020	-.02490	1.80520	-.12280	.92090	-1.78400	-.19740	-1.98140	-1.58650
2.990	22.450	.59130	.33110	-.02580	1.78550	-.12140	.92030	-1.81100	-.20170	-2.01280	-1.60930
2.990	22.870	.60640	.34240	-.02760	1.77050	-.12320	.92200	-1.89170	-.18380	-2.07560	-1.70790
2.990	23.120	.61220	.34790	-.02900	1.75940	-.12080	.92240	-1.93470	-.21160	-2.14630	-1.72300

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0536)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	1.000	ALFSWP	=	2.000
BOFLAP	=	.000	RUDDER	=	.000

RUN NO. 1129/ 0 RN/L = 10.56

MACH	ALPHA	CL	CD	CLM	L/O	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	-2.150	-.09600	.12060	.00060	-.79620	-.10580	.92450	-.21740	-.18550	-.40290	-.03190
2.990	-1.940	-.09040	.11950	.00010	-.75670	-.10650	.92270	-.32450	-.13330	-.45790	-.19110
2.990	-1.710	-.08570	.11860	-.00010	-.72320	-.10640	.92190	-.46300	-.11260	-.57570	-.35040
2.990	-1.370	-.07670	.11730	.00000	-.65380	-.10680	.92120	-.52400	-.06740	-.59140	-.45650
2.990	-.920	-.06680	.11550	.00010	-.57860	-.10730	.92010	-.63910	-.03080	-.66990	-.60920
2.990	-.380	-.05310	.11390	.00100	-.46670	-.10860	.92060	-.75510	-.04830	-.80340	-.70680
2.990	.220	-.04030	.11270	.00070	-.35730	-.10770	.91980	-.95510	-.01320	-.96830	-.94190
2.990	.840	-.02520	.11150	.00100	-.22620	-.10860	.91890	-1.15630	-.04750	-1.20390	-1.10880
2.990	1.450	-.01010	.11080	.00000	-.09190	-.11030	.91940	-1.25290	-.05310	-1.30600	-1.19980
2.990	2.070	.00520	.10990	-.00010	.04730	-.11060	.91910	-1.35050	-.12040	-1.47090	-1.23010
2.990	2.710	.01970	.10960	-.00120	.18020	-.11180	.91950	-1.42390	-.12550	-1.54950	-1.29830
2.990	3.340	.03530	.10930	-.00130	.32350	-.11250	.91900	-1.46280	-.14160	-1.60440	-1.32110
2.990	3.990	.05350	.10980	-.00200	.48700	-.11410	.91980	-1.48920	-.10740	-1.59660	-1.38180
2.990	4.630	.07020	.11030	-.00200	.63700	-.11420	.91860	-1.51340	-.16950	-1.68300	-1.34380
2.990	5.270	.08850	.11170	-.00270	.79200	-.11690	.92100	-1.53980	-.13520	-1.67510	-1.40450
2.990	5.920	.10610	.11330	-.00310	.93580	-.11610	.91990	-1.55950	-.15490	-1.71440	-1.40450
2.990	6.560	.12250	.11550	-.00330	1.06040	-.11840	.92190	-1.61750	-.16750	-1.78510	-1.45000
2.990	7.240	.14280	.11900	-.00360	1.26000	-.11970	.92140	-1.62550	-.18300	-1.80860	-1.44240
2.990	7.890	.16040	.12240	-.00440	1.30990	-.11880	.92130	-1.64460	-.17180	-1.81650	-1.47280
2.990	8.530	.18080	.12650	-.00450	1.42900	-.12030	.92200	-1.67940	-.17630	-1.85570	-1.50310
2.990	9.180	.19820	.13090	-.00510	1.51340	-.12100	.92140	-1.72180	-.17310	-1.89500	-1.54860
2.990	9.850	.21830	.13640	-.00560	1.60070	-.12120	.92150	-1.70240	-.16900	-1.87150	-1.53340
2.990	10.520	.23630	.14200	-.00590	1.66340	-.12160	.92100	-1.72940	-.16560	-1.89500	-1.56380
2.990	11.190	.25700	.14850	-.00720	1.73040	-.12230	.92020	-1.70680	-.19600	-1.90290	-1.51070
2.990	11.860	.27550	.15490	-.00790	1.77810	-.12080	.91950	-1.74920	-.19290	-1.94210	-1.55620
2.990	12.510	.29580	.16200	-.00840	1.82580	-.12230	.91990	-1.80300	-.18610	-1.98920	-1.61690
2.990	13.190	.31630	.17000	-.00950	1.86030	-.12260	.91970	-1.82230	-.18260	-2.00500	-1.63960
2.990	13.880	.33780	.17890	-.01080	1.88730	-.12300	.91940	-1.79970	-.21310	-2.01290	-1.58650
2.990	14.580	.35650	.18740	-.01150	1.90200	-.12200	.91720	-1.78420	-.21280	-1.99710	-1.57140
2.990	15.240	.37190	.19680	-.01290	1.92010	-.12120	.91680	-1.81440	-.17480	-1.98920	-1.63960
2.990	15.930	.39780	.20700	-.01410	1.92160	-.12120	.91700	-1.85330	-.19090	-2.04420	-1.66240
2.990	16.610	.41950	.21790	-.01520	1.92520	-.12310	.91780	-1.86470	-.17950	-2.04420	-1.68510
2.990	17.310	.43960	.22920	-.01580	1.91770	-.12270	.91780	-1.89190	-.19150	-2.08350	-1.70030
2.990	18.020	.46050	.24120	-.01710	1.90880	-.12140	.91630	-1.85650	-.15620	-2.01280	-1.70030
2.990	18.690	.48060	.25360	-.01910	1.89490	-.12220	.91770	-1.83700	-.14430	-1.98140	-1.69270
2.990	19.380	.50110	.26640	-.02000	1.88080	-.12290	.91820	-1.85360	-.20630	-2.05990	-1.64720
2.990	20.080	.52260	.28050	-.02160	1.86320	-.12290	.91870	-1.86550	-.22580	-2.09130	-1.63960
2.990	20.780	.54480	.29560	-.02300	1.84310	-.12270	.91960	-1.89260	-.23010	-2.12270	-1.66240
2.990	21.440	.56550	.31010	-.02460	1.82350	-.12220	.91950	-1.89020	-.18750	-2.06780	-1.69270
2.990	22.020	.58050	.32240	-.02580	1.80020	-.12090	.91970	-1.90370	-.20330	-2.10700	-1.70030
2.990	22.510	.59660	.33430	-.02620	1.78440	-.12070	.92110	-1.88820	-.20310	-2.09130	-1.68510
2.990	22.900	.60980	.34470	-.02720	1.76910	-.12240	.92140	-1.88780	-.17990	-2.06780	-1.70790

LA67 (LTV 552) ORBITER 49-0

(SF0536)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1129/ 0 RN/L = 10.56

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	23.130	.61340	.34920	-.02810	1.75650	-.12150	.92230	-1.92670	-.19600	-2.12270	-1.73060

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0037)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSPS	=	.000
BETA	=	1.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 131/ 0 RN/L = 14.53

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-2.120	-.09680	.10390	-.01430	-.93140	-.03750	1.20990	.47060	-.55160	-.08100	1.02220
4.591	-1.580	-.08510	.10150	-.01410	-.83810	-.03500	1.20990	.44820	-.50570	-.05740	.95390
4.591	-.830	-.07230	.09810	-.01350	-.73710	-.03730	1.20740	.47460	-.53990	-.06530	1.01460
4.591	-.200	-.05780	.09610	-.01270	-.60190	-.03600	1.20700	.42480	-.52150	-.09670	.94640
4.591	.400	-.04760	.09410	-.01250	-.50590	-.03530	1.20390	.45240	-.48630	-.03380	.93880
4.591	.940	-.03610	.09260	-.01180	-.39020	-.03740	1.20280	.43700	-.48660	-.04950	.92360
4.591	1.470	-.02560	.09110	-.01180	-.28190	-.03620	1.20070	.43660	-.50970	-.07310	.94640
4.591	2.030	-.01540	.08960	-.01170	-.17200	-.03550	1.19760	.43700	-.48660	-.04960	.92360
4.591	2.550	-.00420	.08850	-.01170	-.04820	-.03830	1.19780	.39490	-.46800	-.07310	.86290
4.591	3.100	.00670	.08750	-.01220	.07730	-.03730	1.19500	.36830	-.44150	-.07310	.80990
4.591	3.650	.01720	.08770	-.01210	.19650	-.03030	1.19840	.34580	-.40330	-.05740	.74920
4.591	4.210	.02880	.08750	-.01150	.32900	-.03780	1.19610	.33890	-.35710	-.01810	.69610
4.591	4.750	.04390	.08790	-.01100	.49970	-.03750	1.19700	.25780	-.36240	-.10450	.62030
4.591	5.310	.05550	.08870	-.01100	.62560	-.03700	1.19530	.21250	-.30920	-.09570	.52170
4.591	5.850	.06850	.08960	-.00980	.76500	-.03900	1.19940	.13210	-.26810	-.13590	.40030
4.591	6.410	.08030	.09070	-.00970	.88470	-.03830	1.19690	.07780	-.28450	-.20660	.36240
4.591	6.960	.09460	.09320	-.00980	1.01490	-.03700	1.19590	.04710	-.27730	-.23020	.32450
4.591	7.500	.10650	.09510	-.01040	1.11980	-.03970	1.19770	-.02660	-.30560	-.33230	.27900
4.591	8.050	.11860	.09770	-.00930	1.21370	-.03820	1.19910	-.09740	-.38400	-.48150	.20660
4.591	8.610	.13260	.10060	-.00930	1.31860	-.03740	1.19920	-.08490	-.33360	-.41860	.24860
4.591	9.160	.14640	.10370	-.00950	1.41170	-.03700	1.19740	-.12790	-.36140	-.48930	.23350
4.591	9.690	.15950	.10690	-.01050	1.49170	-.03890	1.19950	-.14290	-.33850	-.48150	.19560
4.591	10.250	.17360	.11070	-.01040	1.56790	-.03900	1.19800	-.16570	-.31580	-.48150	.15010
4.591	10.790	.18910	.11510	-.01020	1.64310	-.03820	1.19920	-.21950	-.30900	-.52860	.08940
4.591	11.340	.20110	.11910	-.01000	1.68830	-.04000	1.19730	-.23930	-.33630	-.57570	.09700
4.591	11.890	.21700	.12430	-.00950	1.74540	-.03970	1.19930	-.27400	-.33310	-.60710	.05910
4.591	12.440	.23250	.12940	-.01040	1.79710	-.03820	1.19900	-.27720	-.29840	-.57570	.02110
4.591	13.020	.24980	.13560	-.01000	1.84210	-.03940	1.20200	-.35470	-.31520	-.66990	-.03940
4.591	13.540	.26260	.14050	-.01060	1.86820	-.03790	1.19970	-.35120	-.33440	-.66560	-.01670
4.591	14.100	.27840	.14680	-.01080	1.89580	-.03790	1.19750	-.37380	-.30400	-.67780	-.06980
4.591	14.670	.29600	.15450	-.01010	1.91490	-.03860	1.20120	-.44320	-.30520	-.74850	-.13800
4.591	15.190	.30900	.16050	-.01000	1.92530	-.03820	1.19890	-.46670	-.32100	-.78770	-.14560
4.591	15.760	.32420	.16800	-.01020	1.92960	-.04060	1.20060	-.44660	-.27820	-.72490	-.16840
4.591	16.290	.34150	.17590	-.01070	1.94130	-.03890	1.19960	-.52440	-.31040	-.83490	-.21290
4.591	16.850	.35820	.18470	-.01030	1.93870	-.03860	1.20170	-.52750	-.26810	-.79560	-.25940
4.591	17.410	.37190	.19260	-.01110	1.93120	-.04010	1.20160	-.54330	-.29150	-.83490	-.25180
4.591	17.920	.38960	.20180	-.01210	1.93040	-.03810	1.20120	-.61680	-.30430	-.92120	-.31250
4.591	18.500	.40530	.21110	-.01270	1.91940	-.04010	1.20040	-.60840	-.26560	-.87410	-.34280
4.591	19.030	.42140	.22090	-.01290	1.90780	-.03840	1.20020	-.64370	-.29320	-.93690	-.35040
4.591	19.550	.43560	.22990	-.01360	1.89440	-.04090	1.20120	-.64740	-.28940	-.93690	-.35800
4.591	20.100	.45260	.24070	-.01460	1.88020	-.04040	1.20040	-.68980	-.28630	-.97620	-.40350
4.591	20.620	.46840	.25110	-.01500	1.86530	-.04060	1.20030	-.72100	-.30230	-.1.02330	-.41860

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TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0037)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 131/ 0 RN/L = 14.53

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	21.160	.48520	.26250	-.01610	1.84820	-.03990	1.19870	-.77080	-.28390	-1.05470	-.48690
4.591	21.670	.50280	.27470	-.01600	1.83050	-.04060	1.20200	-.84830	-.30070	-1.14900	-.54750
4.591	22.160	.51690	.28540	-.01670	1.81110	-.04010	1.20200	-.89900	-.33630	-1.23530	-.56270
4.591	22.560	.52770	.29390	-.01750	1.79550	-.03870	1.19830	-.90680	-.33640	-1.24320	-.57030
4.591	22.790	.53580	.30000	-.01780	1.78620	-.04040	1.19980	-.95290	-.32950	-1.28250	-.62340

LA67 (LTV 552) ORBITER 49-0

(SF0537)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1131/ 0 RN/L = 15.51

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-2.000	-.09110	.10330	-.01370	-.89210	-.04060	1.19720	-.41440	-.42040	-.83490	-.00600
4.591	-1.800	-.08900	.10220	-.01330	-.87140	-.04010	1.19580	-.44120	-.40930	-.85060	-.03190
4.591	-1.480	-.08340	.10110	-.01350	-.82540	-.03980	1.19680	-.42580	-.40900	-.83490	-.01670
4.591	-1.060	-.07500	.09910	-.01320	-.75690	-.04110	1.19710	-.44890	-.40940	-.85840	-.03940
4.591	-.550	-.06490	.09710	-.01350	-.66820	-.04080	1.19830	-.50270	-.39490	-.89770	-.10770
4.591	.020	-.05400	.09500	-.01280	-.56870	-.04060	1.19690	-.52200	-.39910	-.92120	-.12290
4.591	.630	-.03970	.09290	-.01240	-.42790	-.03890	1.19490	-.61050	-.38140	-.99190	-.22900

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD038)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	1.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 130/ 0 RN/L = 14.54

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-2.100	-.09580	.10350	-.01230	-.92550	-.03100	1.21600	-.11170	.12490	.01320	-.23660
4.591	-1.570	-.08720	.10020	-.01170	-.87050	-.03140	1.21200	-.09180	.16000	.06810	-.25180
4.591	-.810	-.07210	.09710	-.01130	-.74240	-.03220	1.20920	-.10730	.15200	.04460	-.25940
4.591	-.180	-.06110	.09500	-.01160	-.64270	-.03320	1.20760	-.13860	.12830	-.01030	-.26690
4.591	.400	-.05110	.09290	-.01070	-.55030	-.03180	1.20440	-.11820	.19420	.07600	-.31250
4.591	.950	-.03940	.09150	-.01060	-.43010	-.03260	1.20510	-.17260	.17010	-.00240	-.34280
4.591	1.470	-.02900	.09030	-.01000	-.32150	-.03190	1.20330	-.17210	.20100	.02890	-.37310
4.591	2.040	-.01760	.08910	-.01070	-.19760	-.03400	1.19700	-.17270	.16240	-.01030	-.33520
4.591	2.570	-.00700	.08790	-.01000	-.08030	-.03380	1.19470	-.20290	.20050	-.00240	-.40350
4.591	3.130	.00660	.08690	-.01020	.07590	-.03350	1.19580	-.20730	.17340	-.03380	-.38070
4.591	3.680	.01810	.08640	-.00990	.20930	-.03410	1.19420	-.23300	.24620	.01320	-.47930
4.591	4.220	.02870	.08620	-.01070	.33300	-.03420	1.18980	-.24410	.27300	.02890	-.51720
4.591	4.770	.04040	.08660	-.01020	.46670	-.03340	1.19050	-.27420	.31880	.04460	-.59310
4.591	5.330	.05280	.08710	-.01020	.60680	-.03470	1.18850	-.34380	.30990	.03380	-.65370
4.591	5.880	.06800	.08820	-.01040	.77180	-.03470	1.18940	-.34380	.30990	.03380	-.65370
4.591	6.420	.07970	.08960	-.01060	.88970	-.03450	1.18700	-.43930	.36610	-.07310	-.80540
4.591	6.960	.09190	.09150	-.00970	1.00480	-.03470	1.18780	-.58090	.42920	-.15160	-.1.01020
4.591	7.520	.10500	.09390	-.00900	1.11930	-.03470	1.18890	-.64670	.41650	-.23020	-.1.06320
4.591	8.060	.11730	.09610	-.00970	1.22060	-.03340	1.19000	-.69790	.35770	-.34010	-.1.05570
4.591	8.620	.12970	.09890	-.00960	1.31140	-.03490	1.18730	-.72850	.37260	-.35580	-.1.10120
4.591	9.160	.14280	.10200	-.00880	1.39930	-.03490	1.19170	-.77890	.36020	-.41860	-.1.13910
4.591	9.700	.15510	.10520	-.00930	1.47410	-.03440	1.18910	-.80200	.35980	-.44220	-.1.16180
4.591	10.260	.16970	.10920	-.00880	1.55350	-.03310	1.19320	-.82120	.36330	-.45790	-.1.18460
4.591	10.800	.18410	.11330	-.00910	1.62470	-.03540	1.19020	-.83640	.37850	-.45790	-.1.21490
4.591	11.370	.19970	.11790	-.00860	1.69400	-.03480	1.19400	-.85660	.32800	-.52860	-.1.18460
4.591	11.920	.21260	.12230	-.00810	1.73710	-.03530	1.19310	-.88310	.35450	-.52860	-.1.23770
4.591	12.460	.22900	.12790	-.00880	1.79040	-.03400	1.19460	-.85600	.35880	-.49720	-.1.21490
4.591	13.010	.24270	.13310	-.00880	1.82280	-.03530	1.19260	-.89420	.38130	-.51290	-.1.27560
4.591	13.560	.25810	.13890	-.00900	1.85750	-.03630	1.19210	-.92210	.33070	-.59140	-.1.25280
4.591	14.120	.27300	.14480	-.01000	1.88490	-.03450	1.19380	-.94490	.35340	-.59140	-.1.29830
4.591	14.660	.28920	.15170	-.00980	1.90640	-.03400	1.19420	-.94490	.35340	-.59140	-.1.29830
4.591	15.210	.30250	.15790	-.01050	1.91520	-.03560	1.19300	-.97110	.39540	-.57570	-.1.36660
4.591	15.750	.31960	.16570	-.01030	1.92850	-.03400	1.19440	-.96760	.37620	-.59140	-.1.34380
4.591	16.310	.33510	.17340	-.01070	1.93240	-.03630	1.19120	-.1.03400	.33260	-.70140	-.1.36660
4.591	16.860	.34920	.18100	-.01080	1.92930	-.03660	1.19050	-.1.07570	.37430	-.70140	-.1.45000
4.591	17.390	.36750	.19020	-.01080	1.93140	-.03550	1.19380	-.1.06480	.33200	-.73280	-.1.39690
4.591	17.930	.37950	.19760	-.01090	1.92040	-.03450	1.19370	-.1.09100	.38170	-.70920	-.1.47280
4.591	18.480	.39680	.20730	-.01150	1.91360	-.03530	1.19380	-.1.11020	.38530	-.72490	-.1.49550
4.591	19.030	.41140	.21650	-.01050	1.89380	-.03460	1.19220	-.1.11470	.35050	-.76420	-.1.46520
4.591	19.570	.42690	.22620	-.01020	1.88580	-.03530	1.19190	-.1.20420	.30650	-.89770	-.1.51070
4.591	20.090	.44230	.23600	-.01150	1.87430	-.03630	1.19050	-.1.24340	.26720	-.97620	-.1.51070
4.591	20.620	.45860	.24640	-.01110	1.86070	-.03500	1.19460	-.1.30230	.20830	-.1.09400	-.1.51070

LA67 (LTV 552) ORBITER 49-0

(SFD038)

PARAMETRIC DATA

ELEVON *	.000	AILRON *	.000
SPOBRK *	55.000	RN/L *	18.000
GRITNO *	.000	RCSP05 *	1.000
BETA *	1.000	ALFSWP *	1.000
BOFLAP *	.000	RUDDER *	.000

RUN NO. 130/ 0 RN/L = 14.54

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	21.150	.47500	.25760	-.01090	1.84400	-.03480	1.19520	-1.34510	.18830	-1.15680	-1.53340
4.591	21.650	.48930	.26800	-.01090	1.82550	-.03700	1.19270	-1.36830	.18790	-1.18040	-1.55620
4.591	22.160	.50410	.27920	-.01160	1.80530	-.03630	1.19250	-1.43760	.19440	-1.24320	-1.63200
4.591	22.570	.51660	.28840	-.01200	1.79070	-.03550	1.19500	-1.47740	.12420	-1.35310	-1.60170
4.591	22.800	.52290	.29360	-.01220	1.78080	-.03560	1.19210	-1.53510	.13480	-1.40030	-1.67000

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD539)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	15.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	1.000	ALFSWP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1130/ 0 RN/L = 15.60

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-1.930	-.09190	.10180	-.01160	-.90250	-.03750	1.18760	-.83380	.08530	-.74850	-.91920
4.591	-1.700	-.08900	.10060	-.01150	-.88440	-.03700	1.18890	-.90330	.08410	-.81910	-.98740
4.591	-1.330	-.08120	.09990	-.01100	-.82130	-.03580	1.18680	-.99560	.09790	-.89770	-1.09360
4.591	-.890	-.07270	.09710	-.01140	-.74950	-.03670	1.18740	-1.06090	.11610	-.94480	-1.17700
4.591	-.350	-.06210	.09500	-.01100	-.65330	-.03630	1.18640	-1.10750	.09980	-1.00760	-1.20730
4.591	.220	-.05250	.09320	-.01150	-.56370	-.03470	1.18820	-1.14880	.16470	-.98410	-1.31350
4.591	.820	-.03940	.09160	-.01050	-.43060	-.03720	1.18720	-1.17260	.12570	-1.04690	-1.29830
4.591	1.430	-.02820	.08980	-.01090	-.31400	-.03550	1.18900	-1.19930	.14450	-1.05470	-1.34380
4.591	2.050	-.01420	.08870	-.00990	-.16060	-.03720	1.18770	-1.23440	.12460	-1.10970	-1.35900
4.591	2.680	-.00240	.08750	-.01030	-.02760	-.03600	1.18740	-1.28460	.11990	-1.16470	-1.40450
4.591	3.320	.01300	.08690	-.00970	.15000	-.03730	1.18670	-1.29290	.08890	-1.20390	-1.38180
4.591	3.930	.02500	.08620	-.01040	.29060	-.03670	1.18820	-1.28070	.12380	-1.15680	-1.40450
4.591	4.570	.03990	.08650	-.00980	.46120	-.03630	1.18640	-1.29600	.13120	-1.16470	-1.42730
4.591	5.200	.05190	.08680	-.01000	.59810	-.03450	1.18860	-1.33020	.15770	-1.17250	-1.48790
4.591	5.840	.06800	.08810	-.01000	.77130	-.03530	1.18910	-1.35770	.13020	-1.22750	-1.48790
4.591	6.490	.08160	.08970	-.00980	.90990	-.03680	1.18790	-1.39280	.11030	-1.28250	-1.50310
4.591	7.110	.09770	.09230	-.00930	1.05870	-.03550	1.18870	-1.35760	.13790	-1.21960	-1.49550
4.591	7.760	.11210	.09470	-.00980	1.18360	-.03570	1.18920	-1.37750	.10280	-1.27460	-1.48040
4.591	8.400	.12640	.09770	-.00970	1.29280	-.03550	1.18950	-1.40810	.11770	-1.29030	-1.52590
4.591	9.050	.14310	.10170	-.00940	1.40710	-.03630	1.18740	-1.39630	.12950	-1.26680	-1.52590
4.591	9.710	.15790	.10540	-.00900	1.49770	-.03610	1.18710	-1.42770	.09810	-1.32960	-1.52590
4.591	10.340	.17510	.11000	-.00970	1.59070	-.03620	1.19020	-1.42340	.12520	-1.29820	-1.54860
4.591	11.000	.19330	.11550	-.00920	1.67390	-.03650	1.19000	-1.42390	.09430	-1.32960	-1.51830
4.591	11.660	.20920	.12060	-.00970	1.73410	-.03650	1.19110	-1.42730	.12120	-1.30600	-1.54860
4.591	12.330	.22670	.12660	-.00890	1.78990	-.03550	1.19190	-1.45130	.07450	-1.37670	-1.52590
4.591	13.010	.24330	.13300	-.00920	1.82980	-.03680	1.18790	-1.48140	.12030	-1.36100	-1.60170
4.591	13.690	.26230	.14040	-.00980	1.86730	-.03650	1.18980	-1.45770	.15160	-1.30600	-1.60930
4.591	14.370	.28260	.14850	-.01000	1.90220	-.03680	1.18930	-1.46620	.10510	-1.36100	-1.57140
4.591	15.050	.30090	.15640	-.01090	1.92330	-.03650	1.19010	-1.46250	.09360	-1.36880	-1.55620
4.591	15.720	.32090	.16580	-.01090	1.93500	-.03630	1.19030	-1.48160	.10490	-1.37670	-1.58650
4.591	16.410	.33850	.17480	-.01140	1.93650	-.03730	1.19010	-1.52390	.11570	-1.40810	-1.63960
4.591	17.090	.35990	.18570	-.01090	1.93780	-.03550	1.19270	-1.47360	.12040	-1.35310	-1.59410
4.591	17.770	.37920	.19650	-.01180	1.92950	-.03570	1.19200	-1.48830	.16650	-1.32170	-1.65480
4.591	18.440	.39820	.20730	-.01210	1.92110	-.03470	1.19380	-1.52400	.10800	-1.41600	-1.63200
4.591	19.120	.41690	.21870	-.01160	1.90640	-.03550	1.19310	-1.48540	.10870	-1.37670	-1.59410
4.591	19.800	.43800	.23190	-.01140	1.88860	-.03500	1.19400	-1.51910	.16590	-1.35310	-1.68510
4.591	20.480	.45720	.24500	-.01210	1.86550	-.03500	1.19170	-1.53170	.10780	-1.42380	-1.63960
4.591	21.120	.47760	.25870	-.01220	1.84590	-.03520	1.19480	-1.50820	.13140	-1.37670	-1.63960
4.591	21.690	.49540	.27120	-.01200	1.82610	-.03520	1.19470	-1.49680	.12000	-1.37670	-1.61690
4.591	22.190	.50760	.28120	-.01200	1.80540	-.03410	1.19270	-1.52820	.08860	-1.43950	-1.61690
4.591	22.570	.51880	.29010	-.01250	1.78820	-.03480	1.19430	-1.55830	.13440	-1.42380	-1.69270
4.591	22.790	.52430	.29500	-.01130	1.77690	-.03730	1.19220	-1.53580	.09620	-1.43950	-1.63200

LA67 (LTV 552) ORBITER 49-0

(SFD039)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 112/ 0 RN/L = 8.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.280	-.07470	.17580	.07960	-.42510	-.25020	-.33570	-7.29170	.11160	-7.16010	-7.40330
1.510	.210	-.05320	.17480	.07550	-.30460	-.24810	-.33400	-7.31480	.11120	-7.20350	-7.42610
1.510	.870	-.02240	.17270	.06860	-.12990	-.25100	-.33580	-7.31080	.12280	-7.18730	-7.43360
1.510	1.470	.00480	.17250	.06400	.02810	-.25530	-.33550	-7.33120	.05690	-7.27430	-7.38810
1.510	2.020	.03060	.17130	.05820	.17910	-.25790	-.33620	-7.32650	.10710	-7.21930	-7.43360
1.510	2.550	.05500	.17180	.05380	.32040	-.25890	-.33410	-7.36900	.10250	-7.26650	-7.47160
1.510	3.050	.07650	.17290	.04930	.44270	-.26220	-.33250	-7.36510	.10640	-7.25860	-7.47160
1.510	3.570	.10110	.17390	.04450	.58130	-.26590	-.33030	-7.42320	.09380	-7.32930	-7.51710
1.510	4.090	.12430	.17540	.04060	.70860	-.26640	-.32910	-7.42720	.08220	-7.34500	-7.50950
1.510	4.640	.14830	.17670	.03700	.83950	-.27130	-.32860	-7.45000	.10490	-7.34500	-7.55500
1.510	5.140	.17150	.17970	.03240	.95440	-.26900	-.32610	-7.46410	.18190	-7.28220	-7.64600
1.510	5.680	.19600	.18240	.02810	1.07460	-.27150	-.32510	-7.51820	.17320	-7.34500	-7.69150
1.510	6.220	.22040	.18510	.02390	1.19080	-.27640	-.32670	-7.54110	.18820	-7.35280	-7.72940
1.510	6.720	.24380	.18940	.01910	1.28720	-.27560	-.32440	-7.53720	.19220	-7.34500	-7.72340
1.510	7.250	.26910	.19320	.01510	1.39250	-.27730	-.32520	-7.58260	.24540	-7.33710	-7.82800
1.510	7.770	.29120	.19800	.01090	1.47080	-.27590	-.32100	-7.57150	.21860	-7.35280	-7.79010
1.510	8.300	.31580	.20310	.00770	1.55490	-.27590	-.31960	-7.61320	.26030	-7.35280	-7.87350
1.510	8.830	.33760	.20810	.00400	1.62220	-.27950	-.31890	-7.64080	.22510	-7.41570	-7.86590
1.510	9.360	.35990	.21330	-.00010	1.68690	-.28090	-.31810	-7.65510	.28650	-7.36850	-7.94180
1.510	9.890	.38230	.21980	-.00320	1.73930	-.28340	-.31600	-7.74490	.22710	-7.51770	-7.97210
1.510	10.410	.40560	.22690	-.00650	1.78750	-.28670	-.31420	-7.79450	.26100	-7.53350	-8.05550
1.510	10.940	.42870	.23430	-.00900	1.82950	-.28980	-.31530	-7.89820	.28620	-7.61200	-8.18440
1.510	11.450	.44870	.24130	-.01120	1.85910	-.29140	-.31690	-7.98770	.24220	-7.74550	-8.22990
1.510	11.990	.47330	.25120	-.01300	1.88440	-.29520	-.31720	-8.09170	.25190	-7.83970	-8.34370
1.510	12.500	.49280	.25890	-.01520	1.90350	-.29690	-.31780	-8.23520	.20700	-8.02820	-8.44230
1.510	13.030	.51510	.26820	-.01630	1.92030	-.29900	-.31950	-8.41640	.21540	-8.20100	-8.63190
1.510	13.550	.53600	.27680	-.01850	1.93590	-.30040	-.32010	-8.67440	.24560	-8.42870	-8.92010
1.510	14.080	.55420	.28530	-.01920	1.94200	-.30100	-.32260	-8.88520	.10310	-8.78210	-8.98830
1.510	14.600	.57430	.29550	-.02040	1.94330	-.30440	-.32530	-9.12660	-.02450	-9.15120	-9.10210
1.510	15.120	.59360	.30610	-.02190	1.93920	-.30510	-.32830	-9.35480	-.05550	-9.41030	-9.29930
1.510	15.640	.61510	.31800	-.02360	1.93400	-.30370	-.33540	-9.50810	.00350	-9.50460	-9.51160
1.510	16.170	.63360	.32950	-.02400	1.92300	-.30250	-.34430	-9.60800	.02490	-9.58310	-9.63290
1.510	16.670	.65220	.34030	-.02570	1.91620	-.30840	-.35090	-9.72380	.02290	-9.70090	-9.74670
1.510	17.220	.67510	.35470	-.02610	1.90320	-.31250	-.35160	-9.87120	-.02590	-9.89720	-9.84530
1.510	17.700	.69150	.36570	-.02760	1.89090	-.32110	-.35270	-9.99790	.01420	-9.98360	-10.01210
1.510	18.240	.71320	.38050	-.02750	1.87430	-.32440	-.35520	-10.12870	.03510	-10.09350	-10.16380
1.510	18.740	.73120	.39290	-.02800	1.85090	-.33000	-.36040	-10.16290	.06150	-10.10140	-10.22450
1.510	19.250	.75170	.40700	-.02870	1.84690	-.33050	-.36170	-10.25180	.05610	-10.19560	-10.30790
1.510	19.750	.76740	.41920	-.03010	1.83020	-.33180	-.36560	-10.33560	.11640	-10.21920	-10.45200
1.510	20.260	.78850	.43410	-.03100	1.81630	-.33320	-.36660	-10.38950	.12310	-10.26630	-10.51270
1.510	20.740	.80390	.44620	-.03080	1.80150	-.33340	-.36990	-10.46650	.12950	-10.33700	-10.59610
1.510	21.210	.82290	.46080	-.03200	1.78600	-.33370	-.37060	-10.51640	.14790	-10.36840	-10.66430

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD039)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 112/ 0 RN/L = 8.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	21.550	.83080	.46870	-.03270	1.77260	-.33430	-.37400	-10.57770	.17000	-10.40770	-10.74780

LA67 (LTV 552) ORBITER 49-0

(SF0039)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 99/ 0 RN/L = 8.32

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-.390	-.07960	.14900	.04550	-.53410	-.16710	-.20960	-8.09560	-.41160	-8.50720	-7.68390
2.010	.200	-.05820	.14730	.04330	-.39560	-.16650	-.20950	-8.09220	-.43860	-8.53080	-7.65350
2.010	.880	-.03490	.14540	.03970	-.24040	-.16930	-.21070	-8.11020	-.36560	-8.47580	-7.74460
2.010	1.490	-.01230	.14510	.03660	-.08510	-.16910	-.21130	-8.16830	-.37820	-8.54650	-7.79010
2.010	2.030	.00710	.14460	.03340	.04910	-.17020	-.21280	-8.14510	-.37780	-8.52290	-7.76730
2.010	2.560	.02680	.14500	.03140	.18480	-.17360	-.21250	-8.15680	-.38180	-8.53860	-7.77490
2.010	3.080	.04340	.14540	.02900	.29850	-.17560	-.21260	-8.19480	-.35160	-8.54650	-7.84320
2.010	3.600	.06180	.14590	.02630	.42400	-.17680	-.21310	-8.19520	-.37480	-8.57000	-7.82040
2.010	4.120	.07960	.14680	.02430	.54270	-.17590	-.21370	-8.28040	-.39170	-8.67210	-7.88870
2.010	4.640	.09840	.14780	.02170	.66630	-.17670	-.21330	-8.30020	-.41900	-8.71930	-7.88110
2.010	5.170	.11610	.14920	.01860	.77810	-.17670	-.21200	-8.32370	-.44260	-8.76640	-7.88110
2.010	5.680	.13320	.15090	.01640	.88290	-.17840	-.21240	-8.39700	-.44000	-8.83710	-7.95690
2.010	6.200	.15120	.15330	.01440	.98650	-.17930	-.21240	-8.47920	-.50700	-8.98630	-7.97210
2.010	6.720	.16770	.15570	.01160	1.07740	-.18130	-.21280	-8.53390	-.54660	-9.08050	-7.98730
2.010	7.260	.18740	.15920	.01030	1.17680	-.18290	-.21160	-8.57590	-.52030	-9.09620	-8.05550
2.010	7.780	.20470	.16240	.00890	1.26040	-.18380	-.21110	-8.61000	-.48620	-9.09620	-8.12380
2.010	8.300	.22240	.16590	.00690	1.34060	-.18480	-.21220	-8.65280	-.50620	-9.15900	-8.14650
2.010	8.850	.24190	.17060	.00500	1.41790	-.18630	-.21130	-8.71370	-.46100	-9.17470	-8.25270
2.010	9.370	.25840	.17450	.00480	1.48030	-.18720	-.21150	-8.74070	-.45760	-9.19830	-8.28300
2.010	9.890	.27690	.17910	.00390	1.54620	-.18950	-.21110	-8.77460	-.41570	-9.19040	-8.35890
2.010	10.410	.29460	.18380	.00310	1.60240	-.18960	-.21240	-8.85580	-.42100	-9.27680	-8.43470
2.010	10.940	.31210	.18910	.00300	1.64970	-.19170	-.21260	-8.88160	-.35590	-9.23760	-8.52570
2.010	11.470	.33150	.19500	.00300	1.70010	-.19130	-.21500	-9.03150	-.32380	-9.35530	-8.70770
2.010	12.000	.34820	.20110	.00280	1.73090	-.19430	-.21590	-9.10750	-.25570	-9.36320	-8.85180
2.010	12.530	.36770	.20820	.00210	1.76580	-.19460	-.22130	-9.20000	-.24950	-9.44960	-8.95040
2.010	13.060	.38660	.21540	.00160	1.79430	-.19700	-.22530	-9.24240	-.24640	-9.48880	-8.99590
2.010	13.580	.40280	.22200	.00140	1.81390	-.20090	-.22850	-9.28410	-.20470	-9.48880	-9.07930
2.010	14.120	.42240	.23070	.00040	1.83060	-.20240	-.23090	-9.43090	-.21500	-9.64590	-9.21580
2.010	14.630	.43790	.23770	.00010	1.84240	-.20750	-.23210	-9.51880	-.16640	-9.68520	-9.35230
2.010	15.170	.45830	.24780	.00020	1.84950	-.20930	-.23500	-9.67350	-.19220	-9.66580	-9.48130
2.010	15.680	.47600	.25650	-.00120	1.85550	-.21130	-.23750	-9.74380	-.23970	-9.98360	-9.50400
2.010	16.200	.49410	.26570	-.00170	1.85910	-.21370	-.23850	-9.84440	-.25690	-10.10140	-9.58740
2.010	16.720	.50990	.27420	-.00260	1.85940	-.21520	-.23910	-9.95290	-.28200	-10.23490	-9.67090
2.010	17.240	.52760	.28410	-.00370	1.85710	-.21400	-.24130	-10.11430	-.24620	-10.36050	-9.86800
2.010	17.770	.54680	.29490	-.00500	1.85390	-.21510	-.24230	-10.26080	-.24100	-10.50190	-10.01970
2.010	18.290	.56560	.30630	-.00500	1.84630	-.21530	-.24360	-10.29510	-.21460	-10.50970	-10.08040
2.010	18.810	.58230	.31670	-.00700	1.83770	-.21470	-.24490	-10.38740	-.22080	-10.58830	-10.18660
2.010	19.310	.60000	.32800	-.00730	1.82920	-.21510	-.24430	-10.57660	-.20800	-10.78460	-10.36860
2.010	19.810	.61810	.34030	-.00820	1.81630	-.21770	-.24480	-10.69200	-.18680	-10.87880	-10.50510
2.010	20.320	.63370	.35150	-.00860	1.80260	-.21880	-.24490	-10.79970	-.17330	-10.97310	-10.62640
2.010	20.810	.64950	.36330	-.00900	1.78770	-.22030	-.24600	-10.82670	-.16990	-10.99660	-10.65680
2.010	21.320	.66420	.37450	-.01040	1.77360	-.22200	-.24630	-10.96550	-.16460	-11.13010	-10.80080

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 327

LA67 (LTV 552) ORBITER 49-0

(SF0039)

PARAMETRIC DATA

ELEVON =	-10.000	AILERON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

		RUN NO.	99/ 0	RN/L = 8.32							
MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILERON	ELVN-L	ELVN-R
2.010	21.790	.68070	.38740	-.01130	1.75680	-.22540	-.24820	-10.96160	-.16070	-11.12230	-10.80080
2.010	22.220	.69600	.39910	-.01180	1.74380	-.22720	-.24920	-11.08100	-.15120	-11.23220	-10.92980
2.010	22.510	.70490	.40610	-.01260	1.73550	-.22870	-.25110	-11.15510	-.19490	-11.35000	-10.96010

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 328

LA67 (LTV 552) ORBITER 49-0

(SFD539)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSNP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1112/ 0 RN/L = 8.01

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.360	-.07990	.17620	.08180	-.45380	-.24950	-.33350	-7.40760	.10180	-7.30570	-7.50950
1.510	-.130	-.06800	.17550	.07870	-.38760	-.25120	-.33510	-7.41370	.19430	-7.21930	-7.60810
1.510	.130	-.05660	.17440	.07600	-.32440	-.25410	-.33680	-7.48780	.15830	-7.32930	-7.64600
1.510	.520	-.03780	.17320	.07200	-.21820	-.25630	-.33680	-7.54960	.14180	-7.40780	-7.69150
1.510	1.010	-.01570	.17280	.06820	-.09090	-.26010	-.33680	-7.56120	.14540	-7.41570	-7.70670
1.510	1.550	.00960	.17180	.06290	.05060	-.26220	-.33660	-7.65730	.16310	-7.49420	-7.82040
1.510	2.100	.03630	.17220	.05760	.21090	-.26250	-.33430	-7.71510	.16590	-7.54920	-7.88110
1.510	2.700	.06200	.17180	.05290	.36110	-.26540	-.33470	-7.78460	.16470	-7.61980	-7.94930
1.510	3.280	.08990	.17330	.04810	.51860	-.26670	-.33240	-7.84230	.17530	-7.66700	-8.01760
1.510	3.860	.11530	.17520	.04300	.65800	-.26930	-.32960	-7.94330	.13490	-7.80830	-8.07830
1.510	4.460	.14200	.17630	.03890	.80530	-.27050	-.33020	-7.99000	.11100	-7.87900	-8.10100
1.510	5.050	.16640	.17860	.03400	.93140	-.27390	-.32930	-8.05580	.09820	-7.95750	-8.15410
1.510	5.630	.19530	.18200	.02930	1.07320	-.27600	-.32980	-8.10920	.13590	-7.97320	-8.24510
1.510	6.230	.22090	.18590	.02460	1.18790	-.27790	-.32810	-8.18350	.07670	-8.10670	-8.26030
1.510	6.850	.25030	.19110	.02060	1.30960	-.27860	-.32630	-8.27980	.06660	-8.19310	-8.36640
1.510	7.450	.27840	.19620	.01540	1.41890	-.27690	-.32340	-8.33110	.02010	-8.31090	-8.35130
1.510	8.070	.30480	.20140	.01070	1.51330	-.28080	-.32210	-8.46640	.00620	-8.46010	-8.47260
1.510	8.700	.33100	.20740	.00700	1.59520	-.28240	-.32100	-8.54810	-.03760	-8.58580	-8.51050
1.510	9.320	.35970	.21480	.00340	1.67410	-.28500	-.32040	-8.71040	-.04810	-8.75850	-8.66220
1.510	9.960	.38470	.22230	-.00040	1.73050	-.28810	-.32170	-8.82980	-.03850	-8.86850	-8.79110
1.510	10.600	.41150	.23030	-.00420	1.78660	-.28980	-.32340	-9.11230	-.08600	-9.19830	-9.02620
1.510	11.220	.43710	.23720	-.00580	1.82720	-.29460	-.32430	-9.47440	-.05370	-9.52810	-9.42060
1.510	11.860	.46470	.24900	-.00810	1.86580	-.29760	-.32690	-9.75990	-.05870	-9.81870	-9.70120
1.510	12.490	.49020	.25910	-.01060	1.89130	-.29970	-.32780	-9.95600	-.01970	-9.97570	-9.93630
1.510	13.140	.51500	.26950	-.01300	1.91070	-.30280	-.33020	-10.20690	-.02790	-10.23490	-10.17900
1.510	13.800	.54110	.28170	-.01460	1.92010	-.30290	-.33370	-10.36780	.03860	-10.32910	-10.40650
1.510	14.430	.56490	.29260	-.01640	1.93000	-.30610	-.33720	-10.43200	.11850	-10.31340	-10.55060
1.510	15.070	.58850	.30460	-.01970	1.93200	-.30810	-.34280	-10.46720	.09090	-10.37620	-10.55820
1.510	15.740	.61680	.32020	-.02140	1.92610	-.30700	-.34840	-10.56000	.08160	-10.47830	-10.64160
1.510	16.390	.64210	.33470	-.02270	1.91820	-.31260	-.35240	-10.58280	.09660	-10.48620	-10.67950
1.510	17.020	.66680	.34900	-.02410	1.91030	-.32000	-.35540	-10.58660	.10040	-10.48620	-10.68710
1.510	17.640	.69140	.36490	-.02650	1.89450	-.32470	-.35600	-10.57460	.12760	-10.44690	-10.70230
1.510	18.270	.71480	.38090	-.02730	1.87670	-.32710	-.35890	-10.59810	.10410	-10.49400	-10.70230
1.510	18.910	.73640	.39610	-.02820	1.85900	-.33180	-.36240	-10.60550	.12710	-10.47830	-10.73260
1.510	19.530	.76240	.41420	-.02960	1.84060	-.33090	-.36680	-10.62460	.13830	-10.48620	-10.76290
1.510	20.100	.78290	.42970	-.02940	1.82200	-.33180	-.36810	-10.65520	.15320	-10.50190	-10.80840
1.510	20.580	.79960	.44210	-.03020	1.80860	-.33320	-.37130	-10.64720	.16880	-10.47830	-10.81600
1.510	21.000	.81370	.45340	-.03120	1.79470	-.33370	-.37280	-10.63130	.19220	-10.43910	-10.82360
1.510	21.350	.82830	.46490	-.03210	1.78150	-.33300	-.37300	-10.65120	.15710	-10.49400	-10.80840
1.510	21.680	.83770	.47350	-.03330	1.76900	-.33420	-.37420	-10.65940	.13390	-10.52540	-10.79330

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 329

LA67 (LTV 552) ORBITER 49-0

(SFD539)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSNP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1099/ 0 RN/L = 8.31

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-.510	-.08450	.15010	.04850	-.56350	-.16860	-.21270	-8.52510	-.48470	-9.00980	-8.04030
2.010	-.300	-.07690	.14900	.04600	-.51620	-.16850	-.21400	-8.61810	-.50950	-9.12760	-8.10860
2.010	-.090	-.06900	.14830	.04480	-.46540	-.16920	-.21460	-8.65250	-.49080	-9.14330	-8.16170
2.010	.230	-.05750	.14760	.04380	-.38940	-.17150	-.21460	-8.68040	-.54140	-9.22190	-8.13890
2.010	.640	-.04150	.14700	.04230	-.28240	-.17220	-.21330	-8.70310	-.51870	-9.22190	-8.18440
2.010	1.140	-.02320	.14590	.03850	-.15920	-.17360	-.21460	-8.78740	-.48150	-9.26900	-8.30580
2.010	1.680	-.00330	.14540	.03690	-.02320	-.17330	-.21440	-8.79120	-.47780	-9.26900	-8.31340
2.010	2.270	.01530	.14470	.03390	.10630	-.17680	-.21610	-8.86940	-.54080	-9.41030	-8.32050
2.010	2.830	.03700	.14570	.03120	.25410	-.17680	-.21440	-8.95090	-.56930	-9.52030	-8.38160
2.010	3.420	.05580	.14610	.02800	.38210	-.17810	-.21430	-9.07440	-.57140	-9.64590	-8.50300
2.010	4.020	.07590	.14680	.02640	.51710	-.17970	-.21520	-9.12930	-.61870	-9.74800	-8.51050
2.010	4.590	.09550	.14810	.02340	.64460	-.17980	-.21350	-9.21060	-.63940	-9.85010	-8.57120
2.010	5.170	.11460	.14920	.02030	.76790	-.18080	-.21370	-9.25970	-.57470	-9.83440	-8.68500
2.010	5.760	.13420	.15140	.01850	.88630	-.18270	-.21420	-9.30920	-.54080	-9.85010	-8.76340
2.010	6.350	.15410	.15400	.01580	1.00050	-.18350	-.21400	-9.47040	-.48960	-9.96000	-8.98070
2.010	6.960	.17390	.15710	.01380	1.10730	-.18610	-.21460	-9.59700	-.44940	-10.04640	-9.14760
2.010	7.580	.19380	.16080	.01240	1.20530	-.18820	-.21430	-9.83950	-.41890	-10.25840	-9.42060
2.010	8.190	.21530	.16520	.01100	1.30340	-.18910	-.21380	-10.10610	-.44280	-10.54900	-9.66330
2.010	8.800	.23620	.16980	.01010	1.39120	-.18930	-.21510	-10.28760	-.44980	-10.73750	-9.83770
2.010	9.430	.25860	.17500	.00960	1.47780	-.19270	-.21570	-10.41490	-.44820	-10.86310	-9.96660
2.010	10.050	.27880	.17990	.00870	1.55000	-.19280	-.21800	-10.56130	-.43530	-10.99660	-10.12590
2.010	10.690	.30150	.18640	.00770	1.61750	-.19430	-.22020	-10.72290	-.41500	-11.13800	-10.30790
2.010	11.320	.32230	.19340	.00680	1.66690	-.19810	-.22190	-10.86770	-.30950	-11.17720	-10.55820
2.010	11.950	.34430	.20040	.00600	1.71730	-.19970	-.22600	-10.94040	-.27600	-11.21650	-10.66430
2.010	12.590	.36630	.20820	.00570	1.75940	-.20300	-.22990	-10.94440	-.28000	-11.22440	-10.66430
2.010	13.230	.38810	.21670	.00470	1.79040	-.20680	-.23460	-11.00180	-.25400	-11.25580	-10.74780
2.010	13.900	.41310	.22670	.00400	1.82180	-.20960	-.23820	-10.99760	-.23460	-11.23220	-10.76290
2.010	14.530	.43380	.23660	.00280	1.83340	-.21140	-.23940	-10.99700	-.20370	-11.20080	-10.79330
2.010	15.180	.45790	.24770	.00150	1.84810	-.21420	-.24160	-11.00800	-.16920	-11.17720	-10.83880
2.010	15.820	.48030	.25900	.00050	1.85460	-.21470	-.24260	-10.97400	-.21100	-11.18510	-10.76290
2.010	16.470	.50300	.27080	.00020	1.85730	-.21630	-.24410	-11.01210	-.18080	-11.19290	-10.83120
2.010	17.130	.52630	.28330	-.00220	1.85790	-.21770	-.24560	-11.06640	-.19720	-11.26360	-10.86910
2.010	17.790	.54780	.29580	-.00360	1.85160	-.21690	-.24640	-11.08190	-.20520	-11.28720	-10.87670
2.010	18.400	.56940	.30880	-.00500	1.84350	-.21840	-.24610	-11.04740	-.21620	-11.26360	-10.83120
2.010	19.030	.59170	.32270	-.00640	1.83370	-.22000	-.24700	-11.09750	-.21320	-11.31070	-10.88430
2.010	19.670	.61250	.33670	-.00800	1.81880	-.22350	-.24720	-11.14800	-.21780	-11.35790	-10.92220
2.010	20.300	.63340	.35140	-.00870	1.80240	-.22500	-.24960	-11.11670	-.20970	-11.32650	-10.90700
2.010	20.890	.65380	.36570	-.00990	1.78780	-.22690	-.25090	-11.16260	-.18730	-11.35000	-10.97530
2.010	21.400	.67090	.37870	-.01080	1.77150	-.22780	-.25210	-11.16640	-.18350	-11.35000	-10.98290
2.010	21.860	.68230	.38860	-.01170	1.75550	-.23000	-.25390	-11.16360	-.24140	-11.40500	-10.92220
2.010	22.220	.69530	.39840	-.01230	1.74500	-.23070	-.25330	-11.22900	-.23090	-11.46000	-10.99800
2.010	22.600	.70750	.40800	-.01300	1.73400	-.22880	-.25320	-11.19040	-.23020	-11.42070	-10.96010

LA67 (LTV 552) ORBITER 49-0

(SFD040)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 88/ 0 RN/L = 10.58

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	-.160	-.07180	.11480	.01170	-.62570	-.08080	-.11300	-9.03530	-.53990	-9.57520	-8.49540
2.990	.370	-.05870	.11300	.01120	-.51960	-.07960	-.11260	-9.05440	-.52860	-9.58310	-8.52570
2.990	1.390	-.03350	.11050	.01010	-.30310	-.08060	-.11170	-9.05890	-.56340	-9.62230	-8.49540
2.990	2.250	-.01400	.10960	.00970	-.12810	-.08180	-.11270	-9.08120	-.51750	-9.59880	-8.56360
2.990	3.050	.00550	.10940	.00890	.05100	-.08340	-.11290	-9.10800	-.50640	-9.61450	-8.60150
2.990	3.850	.02570	.10960	.00820	.23450	-.08580	-.11320	-9.10040	-.51400	-9.61450	-8.58640
2.990	4.660	.04740	.10970	.00720	.43220	-.08810	-.11420	-9.13920	-.52240	-9.66160	-8.61670
2.990	5.460	.06870	.11060	.00650	.62120	-.08970	-.11400	-9.16200	-.50740	-9.66950	-8.65460
2.990	6.280	.09000	.11270	.00480	.79930	-.09140	-.11450	-9.19590	-.45780	-9.65380	-8.73810
2.990	7.090	.11220	.11530	.00440	.97300	-.09340	-.11550	-9.20770	-.46960	-9.67730	-8.73810
2.990	7.900	.13540	.11880	.00410	1.13890	-.09430	-.11660	-9.21070	-.41950	-9.63020	-8.79110
2.990	8.710	.15890	.12360	.00450	1.28570	-.09600	-.11760	-9.21110	-.44260	-9.65380	-8.76840
2.990	9.530	.18160	.12870	.00390	1.41050	-.09760	-.11740	-9.22270	-.44670	-9.66950	-8.77600
2.990	10.340	.20590	.13520	.00300	1.52280	-.09790	-.11970	-9.26460	-.41270	-9.67730	-8.85180
2.990	11.170	.22920	.14240	.00200	1.60870	-.09960	-.11960	-9.24130	-.40460	-9.64590	-8.83660
2.990	11.970	.25170	.15010	.00120	1.67570	-.10090	-.12190	-9.22950	-.39280	-9.62230	-8.83660
2.990	12.800	.27650	.15910	.00030	1.73810	-.10470	-.12230	-9.26340	-.34320	-9.60660	-8.92010
2.990	13.610	.29910	.16780	-.00130	1.78200	-.10630	-.12410	-9.28230	-.32430	-9.60660	-8.95800
2.990	14.430	.32310	.17790	-.00200	1.81580	-.10700	-.12560	-9.35180	-.32550	-9.67730	-8.92620
2.990	15.270	.34820	.18930	-.00260	1.83960	-.10990	-.12520	-9.40500	-.28010	-9.68520	-9.12480
2.990	16.080	.37270	.20080	-.00360	1.85570	-.11040	-.12660	-9.50070	-.23940	-9.74010	-9.26130
2.990	16.900	.39490	.21270	-.00450	1.85680	-.11220	-.12660	-9.69020	-.26200	-9.95220	-9.42820
2.990	17.720	.42030	.22580	-.00510	1.86150	-.11310	-.12720	-9.79730	-.20980	-10.00720	-9.58740
2.990	18.540	.44510	.24000	-.00650	1.85440	-.11460	-.12760	-9.85060	-.17220	-10.02290	-9.67840
2.990	19.370	.46830	.25430	-.00670	1.84110	-.11640	-.12750	-10.27890	-.39570	-10.67470	-9.88320
2.990	20.200	.49370	.27020	-.00700	1.82690	-.11700	-.12770	-10.47880	-.35290	-10.83170	-10.12590
2.990	21.030	.51750	.28650	-.00800	1.80590	-.11690	-.12790	-10.56700	-.31970	-10.88670	-10.24720
2.990	21.850	.54400	.30490	-.00920	1.78380	-.11840	-.12820	-10.60730	-.20080	-10.80820	-10.40650
2.990	22.690	.56940	.32380	-.00920	1.75820	-.11889	-.12760	-10.68080	-.21360	-10.89450	-10.46720
2.990	23.500	.59470	.34350	-.01040	1.73110	-.12050	-.12740	-10.73350	-.13740	-10.87100	-10.59610
2.990	24.320	.61920	.36430	-.01120	1.69940	-.12100	-.12850	-10.75600	-.09920	-10.85530	-10.65680
2.990	25.160	.64460	.38680	-.01250	1.66660	-.11990	-.12850	-10.85640	-.10100	-10.95740	-10.75530
2.990	25.960	.67070	.40940	-.01390	1.63810	-.12200	-.12770	-10.91390	-.08270	-10.99000	-10.83120
2.990	26.800	.69320	.43180	-.01430	1.60540	-.12110	-.12840	-10.94170	-.12560	-11.06730	-10.81600
2.990	27.610	.71760	.45590	-.01580	1.57390	-.12190	-.12760	-11.02280	-.13090	-11.15370	-10.89180
2.990	28.440	.74060	.48100	-.01720	1.53970	-.12040	-.12800	-11.08480	-.14740	-11.23220	-10.93740
2.990	29.250	.76520	.50740	-.01810	1.50790	-.12020	-.12830	-11.13520	-.15960	-11.29500	-10.97530
2.990	30.050	.78950	.53400	-.01920	1.47840	-.12040	-.12790	-11.24010	-.20410	-11.44420	-11.03590
2.990	30.870	.80970	.55990	-.02110	1.44600	-.11870	-.12710	-11.37360	-.33760	-11.71120	-11.03590
2.990	31.670	.83250	.58760	-.02290	1.41680	-.12020	-.12650	-11.49370	-.36670	-11.86050	-11.12690
2.990	32.470	.85360	.61610	-.02430	1.38530	-.11870	-.12600	-11.60950	-.36970	-11.97830	-11.24070
2.990	33.250	.87480	.64570	-.02550	1.35470	-.11870	-.12650	-11.64790	-.36170	-12.00970	-11.28620

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0040)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSNP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 88/ 0 RN/L = 10.58

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	34.010	.89170	.67340	-.02680	1.32420	-.11800	-.12600	-11.69490	-.40110	-12.09610	-11.29380
2.990	34.680	.90960	.70090	-.02760	1.29760	-.11730	-.12580	-11.81080	-.41080	-12.22170	-11.40000
2.990	35.030	.91800	.71500	-.02850	1.28390	-.11750	-.12450	-11.91630	-.40600	-12.40230	-11.43030

LA67 (LTV 552) ORBITER 49-0

(SFD540)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SFDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1088/ 0 RN/L = 10.47

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	.000	-.06820	.11450	.01280	-.59510	-.08390	-.11820	-9.69080	-.52050	-10.21130	-9.17030
2.990	.430	-.05730	.11320	.01250	-.50630	-.08650	-.12070	-9.76390	-.51020	-10.27420	-9.25370
2.990	1.260	-.03730	.11150	.01120	-.33480	-.08950	-.12230	-9.91790	-.48970	-10.40770	-9.42820
2.990	2.360	-.01180	.11000	.01100	-.10790	-.09140	-.12440	-10.19140	-.46750	-10.65890	-9.72390
2.990	3.510	.01710	.10990	.01020	-.15560	-.09570	-.12440	-10.53010	-.41930	-10.94950	-10.11070
2.990	4.680	.04640	.11020	.00920	.42110	-.09660	-.12560	-10.72580	-.35720	-11.08300	-10.36860
2.990	5.820	.07660	.11190	.00780	.68510	-.09990	-.12510	-10.92700	-.39150	-11.31860	-10.53540
2.990	7.040	.11120	.11550	.00690	.96260	-.10230	-.12660	-11.21340	-.44280	-11.65630	-10.77050
2.990	8.250	.14430	.12130	.00630	1.18970	-.10640	-.12600	-11.37550	-.44570	-11.82120	-10.92980
2.990	9.490	.17930	.12890	.00660	1.39110	-.10880	-.12680	-11.42140	-.42330	-11.84480	-10.99800
2.990	10.730	.21580	.13840	.00500	1.55830	-.11240	-.12600	-11.47140	-.41260	-11.88400	-11.05870
2.990	12.000	.25000	.15000	.00350	1.66560	-.11370	-.12750	-11.51090	-.46730	-11.97830	-11.04350
2.990	13.280	.28910	.16420	.00230	1.75990	-.11580	-.12620	-11.57220	-.44520	-12.01750	-11.12690
2.990	14.560	.32630	.18000	.00100	1.81270	-.11640	-.12750	-11.56760	-.40270	-11.97040	-11.16490
2.990	15.860	.36490	.19730	-.00040	1.84860	-.11760	-.12640	-11.61830	-.43060	-12.04890	-11.18760
2.990	17.160	.40300	.21680	-.00220	1.85890	-.11910	-.12610	-11.63340	-.41540	-12.04890	-11.21800
2.990	18.470	.44140	.23800	-.00410	1.85430	-.11980	-.12600	-11.64890	-.41570	-12.06460	-11.23310
2.990	19.780	.48090	.26190	-.00610	1.83600	-.11990	-.12610	-11.66070	-.42750	-12.08820	-11.23310
2.990	21.100	.52290	.28930	-.00720	1.80690	-.11930	-.12620	-11.71020	-.39360	-12.10390	-11.31650
2.990	22.420	.56160	.31760	-.00900	1.76830	-.11970	-.12530	-11.69110	-.40490	-12.09610	-11.28620
2.990	23.760	.60390	.35060	-.01030	1.72240	-.11740	-.12530	-11.75710	-.42530	-12.18240	-11.33170
2.990	25.120	.64450	.38570	-.01150	1.67090	-.11740	-.12440	-11.74140	-.40960	-12.15100	-11.33170
2.990	26.490	.68680	.42420	-.01400	1.61900	-.11680	-.12400	-11.78410	-.42960	-12.21380	-11.35450
2.990	27.850	.72740	.46440	-.01580	1.56630	-.11670	-.12240	-11.84200	-.42680	-12.26880	-11.41510
2.990	29.240	.76710	.50780	-.01780	1.51070	-.11580	-.12280	-11.85360	-.43090	-12.28450	-11.42270
2.990	30.590	.80520	.55210	-.02090	1.45830	-.11630	-.12220	-11.85010	-.45010	-12.30020	-11.40000
2.990	31.950	.84310	.59960	-.02380	1.40610	-.11550	-.12370	-11.85400	-.45400	-12.30810	-11.40000
2.990	33.250	.87790	.64830	-.02610	1.35400	-.11600	-.12360	-11.92360	-.46290	-12.38660	-11.46060
2.990	34.240	.90120	.68530	-.02780	1.31500	-.11690	-.12410	-11.91630	-.48600	-12.40230	-11.43030
2.990	34.960	.91650	.71180	-.02860	1.28750	-.11630	-.12490	-11.89680	-.47400	-12.37090	-11.42270

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA57

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LA57 (LTV 552) ORBITER 49-0

(SF0041)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 74/ 0 RN/L = 17.07

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	.390	-.05830	.08950	-.00900	-1.65170	-.02740	-.04040	-9.03800	-.91420	-9.95220	-8.12380
4.591	1.510	-.03880	.08640	-.00840	-.44920	-.02610	-.03950	-9.02970	-.88310	-9.91290	-8.14650
4.591	2.510	-.01680	.08510	-.00720	-.19840	-.02680	-.04040	-9.06100	-.90680	-9.96790	-8.15410
4.591	3.450	-.00030	.08420	-.00670	-.00420	-.02770	-.03910	-9.04950	-.91050	-9.96000	-8.13890
4.591	4.360	.02000	.08430	-.00540	.23730	-.02700	-.03950	-9.06110	-.91460	-9.97570	-8.14650
4.591	5.320	.04060	.08450	-.00510	.48000	-.02870	-.03950	-9.06480	-.90310	-9.96790	-8.16170
4.591	6.260	.05970	.08600	-.00420	.69440	-.02920	-.03900	-9.07980	-.88020	-9.96000	-8.19960
4.591	7.200	.08280	.08920	-.00310	.92890	-.02870	-.04150	-9.08750	-.88030	-9.96790	-8.20720
4.591	8.140	.10150	.09260	-.00310	1.09630	-.03020	-.04150	-9.13020	-.89260	-10.02290	-8.23750
4.591	9.100	.12230	.09720	-.00170	1.25910	-.03170	-.03940	-9.07220	-.88770	-9.96000	-8.18440
4.591	10.370	.15200	.10440	-.00120	1.45580	-.03290	-.04070	-9.14940	-.88910	-10.03860	-8.26030
4.591	11.300	.17480	.11060	-.00110	1.57950	-.03290	-.03900	-9.13740	-.86190	-9.99930	-8.27540
4.591	12.250	.19840	.11840	-.00050	1.67560	-.03170	-.04240	-9.13050	-.90810	-10.03860	-8.22240
4.591	13.210	.22450	.12730	-.00040	1.76390	-.03170	-.04240	-9.12610	-.88100	-10.00720	-8.24510
4.591	14.170	.24780	.13650	-.00150	1.81560	-.03170	-.04110	-9.12630	-.88870	-10.01500	-8.23750
4.591	15.110	.27320	.14740	-.00210	1.85290	-.03340	-.04030	-9.15250	-.84670	-9.99930	-8.30580
4.591	16.060	.29930	.15940	-.00210	1.87720	-.03420	-.04160	-9.14470	-.83890	-9.98360	-8.30580
4.591	17.040	.32450	.17200	-.00130	1.88640	-.03270	-.04150	-9.16500	-.89710	-10.06210	-8.26790
4.591	17.990	.35080	.18590	-.00100	1.88610	-.03420	-.04160	-9.17980	-.85880	-10.03860	-8.32090
4.591	18.950	.37760	.20130	-.00040	1.87600	-.03390	-.04200	-8.83140	-1.23850	-10.07000	-7.59290
4.591	19.920	.40420	.21800	.00000	1.85440	-.03320	-.04280	-9.16970	-.94730	-10.11710	-8.22240
4.591	20.880	.43180	.23600	.00030	1.82940	-.03390	-.04320	-9.33630	-.76500	-10.10140	-8.57120
4.591	21.850	.46040	.25570	.00010	1.80030	-.03370	-.04320	-9.05270	-1.09570	-10.14850	-7.95690
4.591	22.830	.48850	.27670	.00030	1.76490	-.03560	-.04020	-9.72020	-.43610	-10.15640	-9.28410
4.591	23.780	.51530	.29790	.00040	1.72980	-.03490	-.04240	-9.40470	-.92440	-10.32910	-8.48020
4.591	24.750	.54000	.31970	.00010	1.68910	-.03560	-.04020	-8.66940	-1.60320	-10.35270	-6.98620
4.591	25.720	.56760	.34400	.00050	1.64990	-.03440	-.04240	-10.46280	-.10180	-10.56470	-10.36100
4.591	26.670	.59640	.37030	.00000	1.61070	-.03440	-.04360	-8.02930	-2.58250	-10.61180	-5.44670
4.591	27.620	.62390	.39700	.00010	1.57130	-.03590	-.04150	-7.65630	-3.09690	-10.75320	-4.55940
4.591	28.580	.65060	.42470	-.00040	1.53190	-.03640	-.04230	-8.15400	-2.65410	-10.80820	-5.49980
4.591	29.530	.67790	.45380	-.00240	1.49370	-.03640	-.04150	-8.29700	-2.66820	-10.96520	-5.62870
4.591	30.470	.70250	.48270	-.00310	1.45520	-.03460	-.04360	-8.28260	-2.72970	-11.01230	-5.55290
4.591	31.410	.72920	.51450	-.00490	1.41720	-.03560	-.04110	-8.31620	-2.88460	-11.20080	-5.43150
4.591	32.340	.75220	.54520	-.00650	1.37970	-.03560	-.04110	-8.74230	-2.54480	-11.28720	-6.19750
4.591	33.260	.77640	.57810	-.00820	1.34290	-.03640	-.04070	-9.83990	-1.54930	-11.38930	-8.29060
4.591	34.140	.80000	.61160	-.00970	1.30790	-.03640	-.04360	-11.47910	.02700	-11.45210	-11.50610
4.591	34.700	.81330	.63230	-.01110	1.28610	-.03610	-.04110	-10.78360	-.79410	-11.57770	-9.98940

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0541)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1074/ 0 RN/L = 17.33

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	.090	-.06550	.09120	-.00760	-.71850	-.03240	-.04260	-9.90680	-.95630	-10.86310	-8.95040
4.591	.520	-.05050	.08980	-.00760	-.65220	-.03290	-.04140	-9.92710	-1.01450	-10.94170	-8.91250
4.591	1.300	-.04390	.08720	-.00750	-.50370	-.03520	-.04090	-9.91870	-.97580	-10.89450	-8.94280
4.591	2.310	-.02200	.08560	-.00670	-.25700	-.03400	-.04010	-10.03810	-.96630	-11.00450	-9.07170
4.591	3.340	-.00230	.08440	-.00590	-.02830	-.03500	-.03930	-10.08440	-.96710	-11.05160	-9.11720
4.591	4.400	.01790	.08430	-.00400	.21290	-.03480	-.04010	-10.35130	-.78660	-11.13800	-9.56470
4.591	5.440	.04250	.08520	-.00330	.49950	-.03430	-.04180	-10.50910	-.76230	-11.27150	-9.74670
4.591	6.500	.06560	.08700	-.00250	.75370	-.03500	-.04100	-11.22510	-.00710	-11.23220	-11.21800
4.591	7.570	.08760	.09020	-.00160	.97090	-.03510	-.03980	-11.81820	.49170	-11.32650	-12.31000
4.591	8.670	.11400	.09560	-.00080	1.19200	-.03480	-.04350	-10.40660	-.85700	-11.26360	-9.54950
4.591	9.750	.13660	.10070	-.00010	1.35610	-.03660	-.04140	-8.57900	-2.69240	-11.27150	-5.88650
4.591	10.880	.16360	.10790	.00030	1.51530	-.03480	-.04230	-8.65920	-2.64370	-11.30290	-6.01550
4.591	12.000	.19270	.11660	.00100	1.65180	-.03610	-.04020	-8.88280	-2.41220	-11.29500	-6.47050
4.591	13.130	.22090	.12660	.00070	1.74490	-.03500	-.04230	-9.21010	-2.15560	-11.36570	-7.05440
4.591	14.250	.24990	.13760	-.00050	1.81600	-.03710	-.04140	-10.41140	-.91500	-11.32650	-9.49640
4.591	15.390	.28010	.15050	-.00100	1.06100	-.03680	-.04190	-10.40810	-.94190	-11.35000	-9.46610
4.591	16.560	.31230	.16590	-.00080	1.88150	-.03500	-.04100	-9.96570	-1.46270	-11.42850	-8.50200
4.591	17.710	.34460	.18210	.00000	1.89190	-.03660	-.04020	-10.39880	-1.07680	-11.47570	-9.32200
4.591	18.890	.37560	.20020	.00090	1.87590	-.03550	-.04400	-10.54640	-.91350	-11.46000	-9.63290
4.591	20.060	.40870	.22040	.00090	1.85380	-.03660	-.04100	-10.56260	-.95230	-11.51490	-9.61020
4.591	21.250	.44300	.24340	.00040	1.81960	-.03460	-.04400	-10.54220	-.89410	-11.43640	-9.64810
4.591	22.440	.47800	.26830	.00100	1.78120	-.03480	-.04400	-10.65000	-.88050	-11.53060	-9.76940
4.591	23.620	.51120	.29430	.00090	1.73660	-.03740	-.04190	-10.57810	-.96030	-11.53850	-9.61780
4.591	24.840	.54400	.32250	.00010	1.68660	-.03530	-.04230	-10.55270	-1.04860	-11.60130	-9.50400
4.591	26.050	.58060	.35440	.00010	1.63830	-.03540	-.04150	-10.35870	-1.21110	-11.56990	-9.14760
4.591	27.280	.61530	.38780	-.00060	1.58640	-.03580	-.04400	-10.64560	-.84570	-11.49140	-9.79980
4.591	28.500	.65130	.42350	-.00110	1.53770	-.03660	-.04110	-10.62420	-.94570	-11.56990	-9.67840
4.591	29.730	.68700	.46200	-.00290	1.49690	-.03660	-.04100	-10.03630	-1.52570	-11.56200	-8.51050
4.591	30.960	.71930	.50080	-.00460	1.43620	-.03510	-.04230	-10.03630	-1.52570	-11.56200	-8.51050
4.591	32.200	.75230	.54300	-.00700	1.38540	-.03580	-.04400	-9.58530	-1.99240	-11.57770	-7.59290
4.591	33.340	.78210	.58370	-.00880	1.33970	-.03660	-.04150	-8.99470	-2.63790	-11.63270	-6.35670
4.591	34.250	.80340	.61660	-.01060	1.30290	-.03510	-.04400	-9.30240	-2.36170	-11.66410	-6.94070
4.591	34.720	.81520	.63450	-.01160	1.28460	-.03630	-.04400	-10.15090	-1.45830	-11.60920	-8.69250

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD042)

PARAMETRIC DATA

ELEVON	=	-5.000	AILRON	=	.000
SPDRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUGGER	=	.000

RUN NO. 98/ 0 RN/L = 8.22

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-.450	-.06390	.14750	.03190	-.43350	-.17050	-.20370	-2.76940	.15180	-2.61750	-2.92130
2.010	.080	-.04580	.14540	.02950	-.31530	-.17250	-.20430	-2.80490	.10880	-2.69600	-2.91370
2.010	.790	-.01910	.14400	.02600	-.13300	-.17310	-.20430	-2.82770	.12380	-2.70390	-2.95160
2.010	1.370	.00190	.14340	.02320	.01380	-.17280	-.20580	-2.81560	.15880	-2.65670	-2.97440
2.010	1.950	.02380	.14370	.02010	.16600	-.17520	-.20670	-2.88910	.14590	-2.74310	-3.03500
2.010	2.470	.04320	.14430	.01800	.29930	-.17480	-.20730	-2.89990	.18810	-2.71170	-3.08810
2.010	2.980	.06020	.14450	.01530	.41690	-.17570	-.20880	-2.93090	.17990	-2.75100	-3.11090
2.010	3.510	.07980	.14600	.01340	.54720	-.17770	-.20920	-2.98090	.19060	-2.79020	-3.17150
2.010	4.030	.09660	.14680	.01050	.65810	-.17720	-.20920	-2.98470	.19440	-2.79020	-3.17910
2.010	4.550	.11370	.14800	.00850	.76840	-.17820	-.20840	-3.06620	.16600	-2.90020	-3.23220
2.010	5.070	.13310	.14950	.00610	.89010	-.17730	-.20760	-3.18100	.21800	-2.96300	-3.39910
2.010	5.590	.14860	.15140	.00390	.98110	-.17880	-.20750	-3.26110	.27450	-2.98660	-3.53560
2.010	6.120	.16810	.15370	.00200	1.09410	-.17870	-.20790	-3.45770	.28260	-3.17500	-3.74030
2.010	6.640	.18520	.15700	-.00010	1.17980	-.18130	-.20800	-3.57710	.29210	-3.28500	-3.86930
2.010	7.160	.20180	.16020	-.00150	1.25980	-.18340	-.20820	-3.76780	.20000	-3.56770	-3.96780
2.010	7.690	.21750	.16370	-.00190	1.32820	-.18500	-.20890	-3.98120	.13070	-3.85040	-4.11190
2.010	8.220	.23420	.16760	-.00290	1.39720	-.18550	-.20940	-4.17130	.06950	-4.10170	-4.24090
2.010	8.750	.25340	.17180	-.00320	1.47530	-.18910	-.21020	-4.33000	.03980	-4.29020	-4.36980
2.010	9.280	.26860	.17600	-.00460	1.52590	-.18990	-.21130	-4.38390	.04650	-4.33730	-4.43050
2.010	9.810	.28610	.18060	-.00510	1.58390	-.19060	-.21420	-4.41150	.01130	-4.40010	-4.42290
2.010	10.340	.30500	.18650	-.00570	1.63490	-.19110	-.21910	-4.48010	.05640	-4.42370	-4.53660
2.010	10.850	.32090	.19180	-.00690	1.67320	-.19410	-.22160	-4.50760	.02890	-4.47860	-4.53660
2.010	11.400	.34070	.19820	-.00790	1.71860	-.19490	-.22420	-4.60770	.04260	-4.56500	-4.65040
2.010	11.900	.35960	.20440	-.00870	1.75890	-.19940	-.22680	-4.63750	.10380	-4.53360	-4.74140
2.010	12.440	.37720	.21080	-.00960	1.78900	-.20080	-.22800	-4.74200	.08270	-4.65930	-4.82480
2.010	12.960	.39610	.21760	-.01050	1.82010	-.20430	-.22880	-4.78790	.10510	-4.68280	-4.89310
2.010	13.490	.41330	.22510	-.01080	1.83560	-.20470	-.23120	-4.81110	.10470	-4.70640	-4.91580
2.010	14.030	.43270	.23350	-.01170	1.85300	-.20750	-.23260	-4.90060	.06070	-4.83990	-4.96130
2.010	14.540	.45270	.24190	-.01200	1.87110	-.20860	-.23500	-4.99250	.09760	-4.89480	-5.09020
2.010	15.060	.47120	.25060	-.01330	1.88050	-.21130	-.23670	-5.03030	.14330	-4.88700	-5.17370
2.010	15.600	.48920	.25980	-.01410	1.88270	-.21070	-.23810	-5.08480	.11920	-4.96550	-5.20400
2.010	16.100	.50630	.26830	-.01480	1.88660	-.21210	-.23850	-5.15860	.09090	-5.06760	-5.24950
2.010	16.620	.52540	.27790	-.01510	1.89070	-.21240	-.23960	-5.25040	.13560	-5.11470	-5.38600
2.010	17.130	.54120	.28710	-.01640	1.88510	-.21090	-.24090	-5.30100	.10770	-5.19330	-5.40880
2.010	17.660	.56080	.29820	-.01720	1.88050	-.20980	-.24160	-5.32280	.18450	-5.13830	-5.50740
2.010	18.170	.57830	.30860	-.01880	1.87380	-.21060	-.24190	-5.38390	.22200	-5.16190	-5.60590
2.010	18.680	.59470	.31930	-.01990	1.86220	-.21060	-.24190	-5.44660	.16690	-5.27960	-5.61350
2.010	19.220	.61130	.33100	-.02080	1.84650	-.21000	-.24120	-5.57010	.16470	-5.40530	-5.73490
2.010	19.700	.62740	.34200	-.02220	1.83440	-.21310	-.24170	-5.57780	.16460	-5.41320	-5.74250
2.010	20.230	.64600	.35490	-.02290	1.81990	-.21350	-.24250	-5.69050	.12020	-5.57020	-5.81070
2.010	20.730	.66260	.36660	-.02380	1.80720	-.21570	-.24420	-5.78650	.14550	-5.64090	-5.93200
2.010	21.230	.68070	.38010	-.02530	1.79080	-.21760	-.24520	-5.82130	.14110	-5.68020	-5.96240

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD042)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 98/ 0 RN/L = 8.22

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	21.720	.69650	.39250	-.02580	1.77410	-.21920	-.24580	-5.86770	.13250	-5.73510	-6.00030
2.010	22.140	.71070	.40320	-.02700	1.76260	-.22330	-.24700	-5.89860	.13200	-5.76650	-6.03060
2.010	22.460	.72250	.41210	-.02770	1.75310	-.22400	-.24850	-5.95300	.10790	-5.84510	-6.06100

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 337

LA67 (LTV 552) ORBITER 49-0

(SFDS42)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSNP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1098/ 0 RN/L = 8.24

MACH	ALPHA	CL	CO	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-.510	-.06610	.14750	.03260	-.44850	-.17530	-.20730	-3.46390	-.07240	-3.53630	-3.39150
2.010	-.290	-.05950	.14680	.03130	-.40510	-.17430	-.20650	-3.47580	-.09190	-3.56770	-3.38390
2.010	-.080	-.05060	.14660	.03020	-.34540	-.17580	-.20770	-3.52180	-.07720	-3.59910	-3.44460
2.010	.270	-.03660	.14580	.02930	-.25140	-.17460	-.20690	-3.52930	-.06190	-3.59130	-3.46730
2.010	.700	-.02070	.14440	.02620	-.14390	-.17810	-.20930	-3.64140	-.07540	-3.71690	-3.56590
2.010	1.220	-.00190	.14420	.02470	-.01330	-.17870	-.21000	-3.73430	-.09250	-3.82680	-3.64170
2.010	1.770	.01810	.14420	.02170	.12570	-.17870	-.21020	-3.81950	-.10940	-3.92890	-3.71000
2.010	2.340	.03760	.14410	.01940	.26090	-.17980	-.21110	-3.99310	-.10860	-4.10170	-3.88440
2.010	2.920	.05730	.14500	.01680	.39490	-.17910	-.21060	-4.19350	-.09670	-4.29020	-4.09680
2.010	3.510	.07740	.14540	.01470	.53270	-.18070	-.21140	-4.42160	-.12760	-4.54930	-4.29390
2.010	4.110	.09680	.14650	.01210	.66100	-.18060	-.21070	-4.64530	-.12380	-4.76920	-4.52150
2.010	4.670	.11610	.14830	.01000	.78300	-.18150	-.21120	-4.78330	-.07220	-4.85560	-4.71110
2.010	5.280	.13640	.14980	.00800	.91060	-.18260	-.21090	-5.04530	-.05360	-5.09900	-4.99170
2.010	5.870	.15550	.15230	.00620	1.02110	-.18370	-.21040	-5.19580	-.05240	-5.24820	-5.14330
2.010	6.450	.17670	.15540	.00410	1.13710	-.18640	-.21210	-5.33810	-.02790	-5.36600	-5.31020
2.010	7.070	.19540	.15880	.00260	1.23060	-.18730	-.21140	-5.42500	.07470	-5.35030	-5.49980
2.010	7.680	.21550	.16270	.00100	1.32410	-.18820	-.21430	-5.50590	.08480	-5.42100	-5.59080
2.010	8.280	.23590	.16750	-.00120	1.40810	-.19070	-.21460	-5.52150	.07690	-5.44460	-5.59840
2.010	8.900	.25750	.17280	-.00140	1.49000	-.19320	-.21730	-5.61350	.10610	-5.50740	-5.71970
2.010	9.530	.27810	.17790	-.00250	1.56270	-.19480	-.22000	-5.64820	.10940	-5.53880	-5.75760
2.010	10.170	.29950	.18380	-.00380	1.62930	-.19680	-.22520	-5.64810	.11710	-5.53090	-5.76520
2.010	10.800	.31960	.19030	-.00570	1.67920	-.20030	-.22850	-5.67150	.10120	-5.57020	-5.77280
2.010	11.420	.34270	.19800	-.00610	1.73060	-.20310	-.23010	-5.74850	.10760	-5.64090	-5.85620
2.010	12.060	.36390	.20560	-.00810	1.76980	-.20660	-.23240	-5.75270	.08830	-5.66440	-5.84100
2.010	12.680	.38720	.21410	-.00950	1.80850	-.20760	-.23450	-5.76800	.09570	-5.67230	-5.86380
2.010	13.330	.41150	.22330	-.00940	1.84230	-.21080	-.23610	-5.80990	.12970	-5.68020	-5.93960
2.010	13.990	.43290	.23250	-.01080	1.86160	-.21090	-.23780	-5.83020	.07150	-5.75870	-5.90170
2.010	14.630	.45450	.24240	-.01150	1.87510	-.21260	-.24040	-5.82190	.10250	-5.71940	-5.92450
2.010	15.290	.47990	.25410	-.01290	1.88870	-.21140	-.24120	-5.85280	.10190	-5.75080	-5.95480
2.010	15.940	.50210	.26540	-.01330	1.89170	-.21100	-.24210	-5.89070	.13990	-5.75080	-6.03060
2.010	16.580	.52460	.27710	-.01490	1.89300	-.21260	-.24200	-5.92160	.13930	-5.78220	-6.06100
2.010	17.230	.54690	.28950	-.01650	1.88940	-.21320	-.24250	-5.91480	.08540	-5.82940	-6.00030
2.010	17.870	.57030	.30310	-.01800	1.88130	-.21460	-.24300	-5.93680	.15450	-5.78220	-6.09130
2.010	18.510	.59130	.31650	-.01940	1.86810	-.21600	-.24410	-5.95210	.16190	-5.79010	-6.11410
2.010	19.130	.61090	.32930	-.02060	1.85510	-.21710	-.24490	-5.99090	.14580	-5.84510	-6.13680
2.010	19.780	.63290	.34430	-.02190	1.83790	-.21930	-.24680	-5.95650	.12710	-5.82940	-6.08370
2.010	20.400	.65630	.36050	-.02410	1.82010	-.22200	-.24700	-5.97590	.12290	-5.85290	-6.09890
2.010	20.990	.67390	.37380	-.02460	1.80280	-.22250	-.24900	-5.98650	.18060	-5.80580	-6.16710
2.010	21.490	.69000	.38630	-.02590	1.78580	-.22420	-.25040	-5.95990	.15410	-5.80580	-6.11410
2.010	21.910	.70350	.39720	-.02720	1.77090	-.22600	-.25030	-6.02550	.15680	-5.86860	-6.18230
2.010	22.250	.71630	.40720	-.02720	1.75890	-.22570	-.25170	-5.99130	.12270	-5.86860	-6.11410
2.010	22.580	.72680	.41580	-.02880	1.74790	-.22410	-.25080	-6.00240	.14950	-5.85290	-6.15200

LA57 (LTV 552) ORBITER 49-0

(SFD043)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 87/ 0 RN/L = 10.98

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	-.430	-.06530	.11320	.00650	-.57720	-.07510	-.11010	-4.40300	.05780	-4.34510	-4.46080
2.990	.000	-.05610	.11210	.00600	-.50020	-.07700	-.11010	-4.46480	.04900	-4.41580	-4.51390
2.990	1.010	-.03170	.10980	.00520	-.28870	-.07830	-.11130	-4.44160	.05710	-4.38440	-4.49870
2.990	1.870	-.01230	.10890	.00500	-.11300	-.07890	-.11110	-4.50670	.08300	-4.42370	-4.58970
2.990	2.680	.00650	.10900	.00440	.06010	-.07860	-.11240	-4.48380	.06790	-4.41580	-4.55180
2.990	3.480	.02520	.10930	.00480	.23130	-.08300	-.11340	-4.51790	.10210	-4.41580	-4.62000
2.990	4.290	.04540	.10960	.00400	.41430	-.08570	-.11500	-4.53300	.12500	-4.40800	-4.65800
2.990	5.100	.06650	.11020	.00320	.60360	-.08820	-.11560	-4.55180	.15160	-4.40010	-4.70350
2.990	5.910	.08780	.11210	.00210	.78300	-.09140	-.11690	-4.60910	.18540	-4.42370	-4.79450
2.990	6.720	.10920	.11440	.00180	.95530	-.09230	-.11700	-4.75450	.25230	-4.50220	-5.00680
2.990	7.550	.13150	.11810	.00100	1.11360	-.09390	-.11860	-4.80250	.37870	-4.42370	-5.18120
2.990	8.360	.15440	.12240	.00090	1.26080	-.09540	-.11930	-4.98530	.51440	-4.47080	-5.49980
2.990	9.170	.17690	.12720	-.00030	1.39080	-.09640	-.11940	-5.21860	.41010	-4.80850	-5.62870
2.990	10.000	.20040	.13340	-.00110	1.50190	-.09650	-.12150	-5.29170	.42040	-4.87130	-5.71210
2.990	10.830	.22370	.14020	-.00140	1.59490	-.09660	-.12250	-5.40730	.42610	-4.98120	-5.83350
2.990	11.630	.24670	.14740	-.00190	1.67320	-.09730	-.12300	-5.53420	.45090	-5.08330	-5.98510
2.990	12.460	.27000	.15580	-.00190	1.73250	-.10040	-.12370	-5.63460	.44910	-5.18540	-6.08370
2.990	13.280	.29340	.16460	-.00290	1.78180	-.10050	-.12460	-5.67290	.46390	-5.20900	-6.13680
2.990	14.100	.31860	.17490	-.00480	1.82170	-.10330	-.12490	-5.69250	.44420	-5.24820	-6.13680
2.990	14.920	.34170	.18530	-.00550	1.84400	-.10410	-.12530	-5.74980	.47800	-5.27180	-6.22780
2.990	15.760	.36770	.19750	-.00710	1.86190	-.10540	-.12690	-5.74170	.50120	-5.24040	-6.24300
2.990	16.580	.39170	.20920	-.00810	1.87150	-.10630	-.12670	-5.83800	.51110	-5.32680	-6.34920
2.990	17.400	.41630	.22260	-.00960	1.86960	-.10940	-.12700	-5.86960	.46430	-5.40530	-6.33400
2.990	18.230	.44050	.23630	-.00940	1.86350	-.11000	-.12740	-5.91160	.49060	-5.42100	-6.40220
2.990	19.050	.46490	.25100	-.01110	1.85200	-.11200	-.12690	-5.92770	.45170	-5.47600	-6.37950
2.990	19.870	.48970	.26630	-.01160	1.83850	-.11180	-.12650	-6.05190	.41100	-5.64090	-6.46290
2.990	20.690	.51390	.28220	-.01390	1.82080	-.11380	-.12640	-6.12990	.36330	-5.76650	-6.49320
2.990	21.530	.53950	.30010	-.01510	1.79760	-.11410	-.12730	-6.12530	.40580	-5.71940	-6.53120
2.990	22.350	.56380	.31770	-.01600	1.77450	-.11480	-.12670	-6.17230	.36640	-5.80580	-6.53880
2.990	23.170	.59050	.33780	-.01730	1.74770	-.11570	-.12650	-6.24180	.35750	-5.88430	-6.59940
2.990	24.010	.61660	.35900	-.01830	1.71750	-.11620	-.12750	-6.25700	.37270	-5.88430	-6.62980
2.990	24.830	.64230	.38080	-.01980	1.68660	-.11640	-.12680	-6.31090	.37940	-5.93140	-6.69040
2.990	25.670	.66860	.40450	-.02130	1.65280	-.11590	-.12760	-6.38460	.35890	-6.02570	-6.74350
2.990	26.490	.69290	.42760	-.02330	1.62050	-.11740	-.12710	-6.43790	.39650	-6.04140	-6.83450
2.990	27.320	.71770	.45170	-.02350	1.58870	-.11680	-.12700	-6.48850	.37630	-6.11210	-6.86490
2.990	28.130	.74100	.47660	-.02530	1.55460	-.11690	-.12700	-6.55480	.33270	-6.22200	-6.88760
2.990	28.960	.76530	.50310	-.02620	1.52130	-.11650	-.12710	-6.63960	.33900	-6.30050	-6.97860
2.990	29.760	.78780	.52850	-.02900	1.49070	-.11490	-.12780	-6.68250	.31120	-6.37120	-6.99380
2.990	30.570	.81000	.55490	-.03120	1.45950	-.11610	-.12680	-6.73260	.31420	-6.41830	-7.04690
2.990	31.380	.83440	.58430	-.03340	1.42790	-.11520	-.12740	-6.79450	.30540	-6.48900	-7.10000
2.990	32.180	.85520	.61200	-.03630	1.39740	-.11440	-.12740	-6.87550	.30790	-6.56750	-7.18340
2.990	32.950	.87590	.64080	-.03870	1.36670	-.11430	-.12590	-6.97650	.26750	-6.70890	-7.24480

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0043)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPQS =	1.000
BETA =	.000	ALFSMP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 87/ 0 RN/L = 10.98

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	33.740	.89720	.67140	-.04030	1.33620	-.11470	-.12570	-7.03500	.23180	-6.80310	-7.26680
2.990	34.470	.91280	.69840	-.04240	1.30690	-.11430	-.12580	-7.11610	.22650	-6.88950	-7.34260
2.990	34.980	.92720	.72010	-.04340	1.28760	-.11340	-.12470	-7.14710	.21830	-6.92880	-7.36540

LA67 (LTV 552) ORBITER 49-0

(SF0044)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 75/ 0 RN/L = 15.14

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	1.150	-.06110	.09230	-.00790	-.66270	-.02150	-.03360	-3.60680	.14110	-3.46560	-3.74790
4.591	1.260	-.04040	.08880	-.00840	-.45520	-.02320	-.03310	-3.59900	.14120	-3.45770	-3.74030
4.591	2.250	-.01980	.08680	-.00790	-.22840	-.02390	-.03360	-3.61410	.16410	-3.44990	-3.77820
4.591	3.180	-.00150	.08530	-.00740	-.01840	-.02370	-.03570	-3.65610	.19040	-3.46560	-3.84650
4.591	4.110	.01590	.08550	-.00820	.18630	-.02380	-.03660	-3.67180	.17470	-3.49700	-3.84650
4.591	5.060	.03640	.08540	-.00690	.42710	-.02590	-.03330	-3.71740	.21250	-3.50490	-3.92990
4.591	6.000	.05860	.08600	-.00760	.68150	-.02680	-.03390	-3.70900	.25120	-3.45770	-3.96030
4.591	6.940	.07870	.08860	-.00740	.88850	-.02740	-.03350	-3.73950	.27380	-3.46560	-4.01330
4.591	7.900	.09940	.09250	-.00520	1.07520	-.02800	-.03690	-3.76970	.31190	-3.45770	-4.08160
4.591	8.840	.12180	.09690	-.00410	1.25660	-.02980	-.03450	-3.80810	.31890	-3.48920	-4.12710
4.591	9.800	.14450	.10260	-.00340	1.40740	-.02930	-.03700	-3.83120	.32620	-3.50490	-4.15740
4.591	10.750	.16630	.10830	-.00400	1.53510	-.02940	-.03710	-3.95210	.25080	-3.70120	-4.20290
4.591	11.700	.18890	.11520	-.00410	1.63900	-.03010	-.03620	-3.98700	.23860	-3.74830	-4.22570
4.591	12.640	.21250	.12290	-.00500	1.72910	-.03160	-.03580	-4.02130	.26500	-3.75620	-4.28340
4.591	13.510	.23880	.13260	-.00430	1.80090	-.03060	-.03620	-4.09560	.20590	-3.88970	-4.30150
4.591	14.560	.26430	.14290	-.00490	1.84920	-.03110	-.03620	-4.14650	.16260	-3.98390	-4.30910
4.591	15.520	.29130	.15480	-.00420	1.88210	-.03250	-.03700	-4.18510	.16190	-4.02320	-4.34700
4.591	16.480	.31700	.16720	-.00400	1.89540	-.03250	-.03740	-4.28180	.14860	-4.13310	-4.43050
4.591	17.440	.34240	.18020	-.00410	1.90030	-.03180	-.03490	-4.34010	.12060	-4.21950	-4.46080
4.591	18.410	.36820	.19470	-.00450	1.89090	-.03180	-.03530	-4.37100	.12010	-4.25090	-4.49110
4.591	19.370	.39560	.21100	-.00450	1.87530	-.03200	-.03570	-4.40200	.11180	-4.29020	-4.51390
4.591	20.330	.42430	.22910	-.00570	1.85180	-.03320	-.03440	-4.44100	.08850	-4.32160	-4.49870
4.591	21.320	.45140	.24800	-.00640	1.82000	-.03420	-.03570	-4.44510	.07630	-4.36870	-4.52150
4.591	22.270	.47900	.26790	-.00600	1.78770	-.03270	-.03530	-4.50260	.09460	-4.40800	-4.59730
4.591	23.240	.50730	.28960	-.00660	1.75170	-.03440	-.03610	-4.54450	.12860	-4.41580	-4.67310
4.591	24.210	.53470	.31180	-.00740	1.71500	-.03490	-.03570	-4.59080	.12780	-4.46290	-4.71860
4.591	25.170	.56290	.33580	-.00790	1.67640	-.03350	-.03740	-4.60960	.15450	-4.45510	-4.76410
4.591	26.140	.59080	.36120	-.00880	1.63560	-.03370	-.03740	-4.65590	.15370	-4.50220	-4.80960
4.591	27.090	.61940	.38790	-.00940	1.59050	-.03390	-.03440	-4.77550	.15340	-4.62000	-4.93100
4.591	28.060	.64540	.41500	-.01050	1.55510	-.03390	-.03740	-4.81390	.16250	-4.65140	-4.97650
4.591	29.020	.67460	.44480	-.01170	1.51650	-.03500	-.03690	-4.90740	.11460	-4.79280	-5.02200
4.591	29.950	.70040	.47400	-.01390	1.47740	-.03400	-.03740	-5.02330	.10480	-4.91840	-5.12820
4.591	30.890	.72790	.50580	-.01480	1.43890	-.03270	-.03610	-5.09650	.10740	-4.98910	-5.20400
4.591	31.830	.75240	.53710	-.01630	1.40090	-.03400	-.03820	-5.18520	.10970	-5.07550	-5.29500
4.591	32.770	.77870	.57130	-.01800	1.36290	-.03470	-.03480	-5.31690	.08430	-5.23250	-5.40120
4.591	33.680	.80300	.60520	-.02100	1.32670	-.03470	-.03560	-5.38580	.11390	-5.27180	-5.49980
4.591	34.480	.82280	.63530	-.02220	1.29520	-.03470	-.03610	-5.37770	.13720	-5.24040	-5.51490
4.591	34.810	.83150	.64870	-.02380	1.28170	-.03520	-.03740	-5.41250	.13280	-5.27960	-5.54530

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0544)

PARAMETRIC DATA

ELEVON =	-5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNG =	.000	RCSPDS =	1.000
BETA =	.000	ALFSHP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1075/ 0 RN/L = 16.61

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-.070	-.06310	.09200	-.00690	-.68550	-.03230	-.03680	-4.77340	-.16850	-4.94200	-4.60490
4.591	.160	-.05660	.09130	-.00680	-.62030	-.03280	-.03760	-4.77340	-.16850	-4.94200	-4.60490
4.591	.690	-.04640	.08940	-.00720	-.51900	-.03380	-.03810	-4.81990	-.17700	-4.99690	-4.64280
4.591	1.560	-.03110	.08700	-.00730	-.35730	-.03360	-.03680	-4.87380	-.17020	-5.04410	-4.70350
4.591	2.570	-.01140	.08560	-.00750	-.13310	-.03510	-.03890	-4.94620	-.12140	-5.06760	-4.82480
4.591	3.620	.01080	.08500	-.00660	.12760	-.03380	-.03720	-4.96530	-.11010	-5.07550	-4.85510
4.591	4.660	.03020	.08500	-.00600	.35600	-.03460	-.03720	-5.01590	-.13800	-5.15400	-4.87790
4.591	5.690	.05310	.08570	-.00750	.61930	-.03450	-.03720	-5.03790	-.06890	-5.10690	-4.96890
4.591	6.750	.07660	.08820	-.00740	.86930	-.03530	-.03890	-5.07220	-.04250	-5.11470	-5.02960
4.591	7.840	.10110	.09240	-.00560	1.09350	-.03530	-.03890	-5.09950	-.06230	-5.16190	-5.03720
4.591	8.930	.12470	.09710	-.00430	1.28030	-.03430	-.03810	-5.12660	-.06660	-5.19330	-5.05990
4.591	10.050	.14900	.10350	-.00340	1.44010	-.03590	-.03850	-5.16830	-.02490	-5.19330	-5.14330
4.591	11.170	.17720	.11130	-.00350	1.59230	-.03590	-.03810	-5.20300	-.02170	-5.22470	-5.18120
4.591	12.270	.20350	.11960	-.00410	1.70130	-.03430	-.03770	-5.19860	.00530	-5.19330	-5.20400
4.591	13.410	.23440	.13040	-.00480	1.79760	-.03390	-.03560	-5.22190	-.00270	-5.22470	-5.21920
4.591	14.550	.26400	.14230	-.00450	1.85430	-.03490	-.03600	-5.23280	.03940	-5.19330	-5.27230
4.591	15.690	.29590	.15660	-.00440	1.88900	-.03510	-.03900	-5.25960	.05060	-5.20900	-5.31020
4.591	16.850	.32870	.17250	-.00380	1.90560	-.03440	-.03480	-5.28720	.01530	-5.27180	-5.30260
4.591	18.010	.36100	.18960	-.00410	1.90360	-.03410	-.03690	-5.25550	.06220	-5.19330	-5.31780
4.591	19.190	.39500	.20920	-.00480	1.88750	-.03590	-.03690	-5.27450	.08120	-5.19330	-5.35570
4.591	20.360	.42740	.23030	-.00570	1.85560	-.03460	-.03810	-5.30850	.12300	-5.18540	-5.43150
4.591	21.550	.46130	.25360	-.00650	1.81900	-.03460	-.03810	-5.28900	.13490	-5.15400	-5.42390
4.591	22.730	.49610	.27950	-.00610	1.77500	-.03510	-.03810	-5.31980	.13440	-5.18540	-5.45430
4.591	23.940	.53130	.30700	-.00770	1.73050	-.03390	-.03600	-5.32720	.15740	-5.16970	-5.48460
4.591	25.130	.56610	.33660	-.00740	1.68190	-.03440	-.03770	-5.33920	.13020	-5.20900	-5.46940
4.591	26.370	.60000	.36850	-.00880	1.62810	-.03520	-.03820	-5.35410	.16080	-5.19330	-5.51490
4.591	27.590	.63650	.40330	-.01060	1.57810	-.03490	-.03650	-5.36220	.13750	-5.22470	-5.49980
4.591	28.820	.67100	.43970	-.01230	1.52580	-.03520	-.03820	-5.36550	.17220	-5.19330	-5.53770
4.591	30.060	.70710	.47950	-.01460	1.47470	-.03470	-.03570	-5.37770	.13720	-5.24040	-5.51490
4.591	31.280	.73990	.51940	-.01700	1.42440	-.03520	-.03820	-5.39260	.16780	-5.22470	-5.56040
4.591	32.510	.77350	.56320	-.01930	1.37340	-.03570	-.03820	-5.40810	.15980	-5.24820	-5.56800
4.591	33.590	.80300	.60370	-.02160	1.33000	-.03520	-.03910	-5.39280	.15240	-5.24040	-5.54530
4.591	34.390	.82240	.63350	-.02300	1.29800	-.03550	-.03740	-5.41230	.14050	-5.27180	-5.55290
4.591	34.730	.83160	.64690	-.02340	1.28540	-.03520	-.03780	-5.41640	.12880	-5.28750	-5.54530

LA67 (LTV 552) ORBITER 49-0

(SFD045)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSHP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 110/ 0 RN/L = 8.04

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	.420	.01090	.17250	.02720	-.06370	-.26460	-.31300	5.01190	-.08270	4.92910	5.09470
1.510	.110	.01440	.17090	.02270	-.08450	-.26600	-.31450	5.01640	-.04790	4.96940	5.06440
1.510	.810	.04660	.17030	.01610	.27400	-.26440	-.31450	4.95880	-.02960	4.92910	4.98850
1.510	1.420	.07230	.17140	.01080	.42200	-.26300	-.31510	4.94250	-.08390	4.85850	5.02640
1.510	1.990	.09960	.17160	.00530	.58040	-.26610	-.31750	4.94290	-.06080	4.88200	5.00370
1.510	2.500	.12390	.17330	.00120	.71490	-.26800	-.31510	4.83850	-.07420	4.76420	4.91270
1.510	3.000	.14570	.17450	-.00290	.83480	-.26900	-.31750	4.85760	-.08540	4.77210	4.94300
1.510	3.530	.16870	.17650	-.00760	.95570	-.27240	-.32130	4.81100	-.10170	4.70930	4.91270
1.510	4.040	.19170	.17970	-.01170	1.06670	-.27290	-.32460	4.74260	-.04110	4.70140	4.78380
1.510	4.570	.21440	.18270	-.01610	1.17390	-.27690	-.32760	4.71140	-.05710	4.65430	4.76860
1.510	5.090	.23820	.18640	-.02050	1.27770	-.27980	-.32800	4.60640	-.10910	4.49720	4.71550
1.510	5.610	.26290	.19060	-.02550	1.37870	-.27960	-.32880	4.52540	-.10660	4.41870	4.63210
1.510	6.140	.28710	.19520	-.02990	1.47040	-.28160	-.33010	4.45580	-.11560	4.34020	4.57140
1.510	6.650	.31150	.19990	-.03360	1.55790	-.28310	-.33180	4.35570	-.10190	4.25380	4.45770
1.510	7.180	.33530	.20540	-.03800	1.63180	-.28460	-.33300	4.30560	-.09890	4.20670	4.40460
1.510	7.710	.35820	.21120	-.04180	1.69530	-.28690	-.33370	4.22440	-.11190	4.11240	4.33630
1.510	8.230	.37880	.21650	-.04510	1.74930	-.28990	-.33420	4.16550	-.15910	4.01040	4.32870
1.510	8.780	.40430	.22380	-.04830	1.80600	-.29330	-.33560	4.06190	-.13790	3.92400	4.19980
1.510	9.290	.42600	.23060	-.05180	1.84700	-.29400	-.33540	4.01120	-.16580	3.84540	4.17710
1.510	9.830	.45010	.23810	-.05470	1.88960	-.29530	-.33690	3.88380	-.17180	3.71190	4.05570
1.510	10.340	.46880	.24480	-.05750	1.91520	-.29840	-.33950	3.78240	-.23530	3.54700	4.01780
1.510	10.870	.49240	.25350	-.05920	1.94200	-.30180	-.34080	3.72470	-.22480	3.49990	3.94950
1.510	11.390	.51320	.26220	-.06210	1.95710	-.30550	-.33970	3.67530	-.18320	3.49210	3.85850
1.510	11.920	.53350	.27020	-.06410	1.97390	-.30310	-.34240	3.64780	-.21070	3.43710	3.85850
1.510	12.430	.55710	.27930	-.06690	1.99440	-.30240	-.34400	3.59470	-.15760	3.43710	3.75240
1.510	12.960	.57640	.28800	-.06880	2.00140	-.29980	-.34200	3.57130	-.17340	3.39780	3.74480
1.510	13.470	.59590	.29610	-.07070	2.01250	-.30180	-.33440	3.50550	-.18620	3.31930	3.69170
1.510	14.000	.61880	.30660	-.07320	2.01780	-.30150	-.33090	3.47080	-.18290	3.28790	3.65380
1.510	14.510	.63850	.31640	-.07470	2.01780	-.30230	-.33290	3.47910	-.15190	3.32710	3.63100
1.510	15.060	.66210	.32920	-.07650	2.01130	-.30150	-.33180	3.42490	-.16050	3.26430	3.58550
1.510	15.560	.67940	.33930	-.07810	2.00210	-.30240	-.33450	3.37950	-.10730	3.27220	3.48690
1.510	16.070	.70020	.35100	-.07880	1.99460	-.30330	-.33520	3.36750	-.13450	3.23290	3.50210
1.510	16.590	.71930	.36340	-.08020	1.97940	-.30590	-.33590	3.34190	-.05400	3.28790	3.39590
1.510	17.110	.74080	.37730	-.08130	1.96330	-.30780	-.34030	3.28800	-.04720	3.24080	3.33530
1.510	17.640	.76200	.39140	-.08300	1.94630	-.31160	-.34630	3.28370	-.07430	3.20930	3.35800
1.510	18.130	.77860	.40410	-.08430	1.92650	-.31470	-.35140	3.21060	-.06400	3.14650	3.27460
1.510	18.640	.79820	.41820	-.08400	1.90850	-.31710	-.35580	3.14550	-.03040	3.11510	3.17600
1.510	19.160	.81670	.43210	-.08550	1.88950	-.31850	-.35890	3.15030	.01970	3.17010	3.13050
1.510	19.650	.83680	.44730	-.08790	1.87070	-.31820	-.36010	3.11930	.01150	3.13080	3.10770
1.510	20.170	.85560	.46200	-.08870	1.85170	-.31790	-.36140	3.08470	.02250	3.10730	3.06220
1.510	20.630	.87140	.47470	-.09000	1.83540	-.31990	-.36140	3.07320	.02610	3.09940	3.04710
1.510	21.120	.88980	.48980	-.09110	1.81630	-.31710	-.36140	2.99980	.02100	3.02090	2.97880

TABULATED SOURCE DATA, LTV TEST 552, LA67
LA67 (LTV 552) ORBITER 49-0

PAGE 343

(SFD045)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 110/ 0 RN/L = 8.04

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	21.450	.90230	.49990	-.03230	1.80480	-.31770	-.36270	3.01180	.04050	3.05230	2.97120

LA67 (LTV 552) ORBITER 49-0

(SF0045)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	.000
SPDRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 97/ 0 RN/L = 8.20

MACH	ALPHA	CL	CO	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-.500	-.03290	.14770	.01130	-.22280	-.18150	-.21240	4.09220	-.16820	3.92400	4.26050
2.010	-.060	-.02050	.14690	.00970	-.13950	-.17990	-.21210	4.11940	-.15620	3.96320	4.27560
2.010	.650	.00680	.14540	.00680	.04680	-.18210	-.21240	4.06570	-.14170	3.92400	4.20740
2.010	1.260	.02580	.14530	.00340	.17780	-.18270	-.21300	4.03070	-.15380	3.87680	4.18460
2.010	1.810	.04590	.14620	.00080	.31380	-.17990	-.21190	4.04550	-.19220	3.85330	4.23770
2.010	2.340	.06360	.14690	-.00130	.43310	-.18070	-.21260	3.99130	-.20080	3.79050	4.19220
2.010	2.840	.08190	.14810	-.00340	.55300	-.18200	-.21310	3.93330	-.21340	3.71980	4.14670
2.010	3.370	.09880	.14910	-.00460	.66250	-.18210	-.21410	3.92190	-.20200	3.71980	4.12400
2.010	3.890	.11600	.15030	-.00760	.77170	-.18510	-.21440	3.88750	-.18330	3.70410	4.07090
2.010	4.410	.13350	.15190	-.00890	.87920	-.18330	-.21450	3.85630	-.19930	3.65700	4.05570
2.010	4.930	.14950	.15390	-.01080	.97170	-.18530	-.21590	3.81290	-.25800	3.55490	4.07090
2.010	5.460	.16780	.15640	-.01320	1.07290	-.18700	-.21700	3.81320	-.24250	3.57060	4.05570
2.010	5.980	.18500	.15990	-.01600	1.15740	-.18930	-.21740	3.71650	-.25580	3.46060	3.97230
2.010	6.500	.20320	.16340	-.01710	1.24330	-.19120	-.21920	3.71240	-.26740	3.44490	3.97390
2.010	7.040	.21870	.16630	-.01970	1.31500	-.19450	-.22220	3.71660	-.24810	3.46850	3.96470
2.010	7.560	.23530	.17030	-.02140	1.38190	-.19650	-.22340	3.63960	-.24170	3.35780	3.88130
2.010	8.080	.25160	.17410	-.02230	1.44510	-.19800	-.22600	3.64420	-.19920	3.44490	3.84340
2.010	8.600	.27280	.17970	-.02330	1.51740	-.19820	-.22510	3.55400	-.28180	3.27220	3.83580
2.010	9.120	.28850	.18380	-.02490	1.56940	-.19880	-.22610	3.55460	-.24320	3.31140	3.79790
2.010	9.650	.30660	.18890	-.02550	1.62230	-.19890	-.22660	3.50020	-.26730	3.23290	3.76750
2.010	10.180	.32370	.19380	-.02690	1.66960	-.19890	-.22790	3.50480	-.22470	3.28000	3.72960
2.010	10.690	.34290	.19980	-.02810	1.71570	-.20080	-.23070	3.46700	-.17910	3.28790	3.64620
2.010	11.230	.35980	.20530	-.02990	1.75220	-.20440	-.23390	3.40570	-.15700	3.24860	3.56280
2.010	11.770	.37890	.21200	-.03040	1.78740	-.20720	-.23600	3.39040	-.14960	3.24080	3.54000
2.010	12.290	.39760	.21880	-.03190	1.81730	-.20930	-.23760	3.35150	-.16570	3.18580	3.51730
2.010	12.800	.41520	.22570	-.03250	1.83960	-.21020	-.23930	3.36780	-.11910	3.24860	3.48690
2.010	13.330	.43500	.23350	-.03330	1.86280	-.21220	-.23970	3.27160	-.10150	3.17010	3.37320
2.010	13.850	.45270	.24140	-.03480	1.87510	-.21090	-.23980	3.29490	-.09340	3.20150	3.38830
2.010	14.370	.47200	.25000	-.03610	1.88780	-.21180	-.24040	3.25610	-.10950	3.14650	3.36560
2.010	14.890	.49020	.25830	-.03710	1.89750	-.21090	-.24100	3.24510	-.07500	3.17010	3.32010
2.010	15.420	.51020	.26820	-.03820	1.90220	-.21110	-.24130	3.16450	-.04940	3.11510	3.21390
2.010	15.940	.52750	.27740	-.03940	1.90120	-.21170	-.24240	3.13810	-.01510	3.12300	3.15320
2.010	16.460	.54520	.28640	-.04020	1.90320	-.21110	-.24320	3.16560	.01230	3.17790	3.15320
2.010	16.970	.56360	.29750	-.04180	1.89440	-.21160	-.24170	3.04550	-.01670	3.02870	3.06220
2.010	17.490	.58060	.30760	-.04260	1.88700	-.21210	-.24090	2.97910	-.06030	2.91880	3.03950
2.010	18.010	.59870	.31870	-.04360	1.87870	-.21260	-.24090	2.94850	-.04540	2.90310	2.99400
2.010	18.510	.61530	.32890	-.04500	1.87050	-.21260	-.23960	2.90110	-.10800	2.79310	3.00910
2.010	19.030	.63220	.34050	-.04620	1.85650	-.21460	-.24000	2.80790	-.14820	2.65960	2.95610
2.010	19.550	.65000	.35290	-.04720	1.84150	-.21400	-.24010	2.68440	-.15030	2.53400	2.83470
2.010	20.050	.66780	.36550	-.04870	1.82690	-.21610	-.24060	2.64540	-.17410	2.47120	2.81960
2.010	20.550	.68450	.37730	-.04940	1.81390	-.21620	-.24130	2.65290	-.18170	2.47120	2.83470
2.010	21.040	.69950	.38920	-.05080	1.79710	-.21720	-.24170	2.56410	-.18710	2.37690	2.75130

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0045)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSHP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 97/ 0 RN/L = 8.20

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	21.540	.71430	.40160	-.05180	1.77850	-.21910	-.24390	2.52970	-.16840	2.36120	2.69820
2.010	22.000	.73240	.41540	-.05290	1.76280	-.22180	-.24550	2.52530	-.20320	2.32200	2.72860
2.010	22.360	.74300	.42450	-.05530	1.75020	-.22240	-.24760	2.44860	-.17370	2.27480	2.62240

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD545)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	.000
SPDRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	ALFSWP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1110/ 0 RN/L = 8.02

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.460	-.01550	.17130	.03110	-.09060	-.26200	-.30940	4.33430	-.00190	4.33230	4.33630
1.510	-.180	-.00250	.17080	.02900	-.01510	-.26040	-.30990	4.30710	-.01400	4.29310	4.32110
1.510	.120	.01170	.16930	.02620	.06950	-.26310	-.31240	4.23720	-.03840	4.19980	4.27560
1.510	.550	.03150	.16940	.02130	.18630	-.26280	-.31090	4.11330	-.06370	4.04960	4.17710
1.510	1.050	.05430	.16860	.01730	.32230	-.26600	-.31330	4.00510	-.07330	3.93180	4.07850
1.510	1.600	.07860	.16930	.01280	.46420	-.26630	-.31140	3.90030	-.10980	3.79050	4.01020
1.510	2.160	.10470	.17030	.00840	.61480	-.26820	-.31270	3.80470	-.06130	3.74340	3.86610
1.510	2.750	.12990	.17190	.00300	.75560	-.26840	-.31210	3.71930	-.09370	3.62560	3.81300
1.510	3.350	.15630	.17320	-.00130	.90250	-.27380	-.31720	3.62180	-.15330	3.46850	3.77510
1.510	3.930	.18270	.17660	-.00690	1.03480	-.27250	-.31940	3.58360	-.13080	3.45280	3.71440
1.510	4.520	.20930	.18010	-.01170	1.16200	-.27530	-.32380	3.55230	-.15450	3.39780	3.70690
1.510	5.130	.23540	.18360	-.01620	1.28220	-.28080	-.32840	3.47890	-.15960	3.31930	3.63860
1.510	5.720	.26230	.18840	-.02110	1.39230	-.28360	-.33110	3.45590	-.15230	3.30360	3.60830
1.510	6.310	.29130	.19440	-.02560	1.48820	-.28610	-.33320	3.43720	-.11790	3.31930	3.55520
1.510	6.930	.31730	.19970	-.03180	1.58810	-.28940	-.33480	3.37670	-.04950	3.32710	3.42630
1.510	7.540	.34670	.20680	-.03590	1.67600	-.28990	-.33430	3.40800	-.02580	3.38210	3.43380
1.510	8.150	.37180	.21340	-.04060	1.74200	-.29410	-.33660	3.32310	-.02730	3.29570	3.35040
1.510	8.790	.39900	.22120	-.04430	1.80350	-.29480	-.33590	3.32730	-.00790	3.31930	3.33530
1.510	9.420	.42570	.22930	-.04820	1.85580	-.29670	-.33780	3.28930	.02990	3.31930	3.25940
1.510	10.040	.45290	.23870	-.05190	1.89750	-.29930	-.33870	3.20850	.04010	3.24860	3.16840
1.510	10.670	.48070	.24840	-.05500	1.93500	-.30080	-.34050	3.20930	.08640	3.29570	3.12290
1.510	11.300	.50600	.25800	-.05850	1.96140	-.30280	-.34170	3.18620	.08600	3.27220	3.10020
1.510	11.940	.53450	.26910	-.06120	1.98610	-.30320	-.34040	3.14690	.04670	3.19360	3.10020
1.510	12.580	.55960	.27970	-.06440	2.00030	-.30340	-.33980	3.11220	.04990	3.16220	3.06220
1.510	13.230	.58650	.29130	-.06730	2.01320	-.30340	-.33710	3.08540	.06110	3.14650	3.02430
1.510	13.890	.61400	.30410	-.07010	2.01860	-.30420	-.33530	3.10900	.08460	3.19360	3.02430
1.510	14.530	.63960	.31660	-.07220	2.01710	-.30550	-.33640	3.10130	.08450	3.18580	3.01670
1.510	15.170	.66570	.33100	-.07440	2.01110	-.30690	-.33820	3.08570	.07650	3.16220	3.00920
1.510	15.830	.69000	.34480	-.07660	2.00100	-.30870	-.34100	3.03560	.07950	3.11510	2.95610
1.510	16.490	.71790	.36150	-.07860	1.98580	-.31060	-.34550	3.02060	.10240	3.12300	2.91810
1.510	17.120	.73960	.37590	-.08050	1.96750	-.31460	-.35100	3.02420	.09080	3.11510	2.93330
1.510	17.740	.76560	.39330	-.08240	1.94650	-.31690	-.35440	2.97780	.08230	3.06010	2.89540
1.510	18.380	.79120	.41140	-.08400	1.92310	-.31690	-.35600	2.98450	.02840	3.01300	2.95610
1.510	19.040	.81370	.42870	-.08460	1.89790	-.31980	-.35940	2.95800	.05500	3.01300	2.90300
1.510	19.650	.83420	.44550	-.08680	1.87250	-.32020	-.36210	2.97740	.05920	3.03660	2.91810
1.510	20.200	.85530	.46150	-.08860	1.85300	-.32070	-.36220	2.95380	.03560	2.98950	2.91810
1.510	20.660	.87370	.47560	-.08950	1.83380	-.31870	-.36260	2.94560	.00460	2.95020	2.94090
1.510	21.050	.88860	.48790	-.09060	1.82110	-.31860	-.36290	2.93390	.00050	2.93450	2.93330
1.510	21.360	.89810	.49710	-.09160	1.80660	-.31870	-.36300	2.92700	.04670	2.97380	2.88020
1.510	21.630	.90900	.50540	-.09250	1.79860	-.31810	-.36280	2.99210	.02080	3.01300	2.97120

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER +9-0

(SFD545)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	ALFSNP	=	2.000
BOFLAP	=	.000	RUDDER	=	.000

RUN NO. 1097/ 0 RN/L = 8.20

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-.540	-.03930	.14770	.01390	-.26620	-.17920	-.21210	3.51590	-.25160	3.26430	3.76750
2.010	-.340	-.02940	.14690	.01300	-.20060	-.18060	-.21130	3.45460	-.22950	3.22510	3.68410
2.010	-.120	-.02300	.14600	.01100	-.15800	-.18120	-.21180	3.44320	-.21810	3.22510	3.66140
2.010	.180	-.01030	.14580	.01000	-.07110	-.18180	-.21160	3.41310	-.17230	3.24080	3.58550
2.010	.610	.00310	.14500	.00790	.02180	-.18070	-.21320	3.39010	-.16500	3.22510	3.55520
2.010	1.130	.02170	.14480	.00520	.14990	-.18210	-.21410	3.35600	-.13090	3.22510	3.48690
2.010	1.660	.04110	.14500	.00290	.28350	-.18220	-.21360	3.30210	-.12410	3.17790	3.42630
2.010	2.230	.06050	.14570	.00120	.41530	-.18230	-.21440	3.25980	-.11330	3.14650	3.37320
2.010	2.810	.08060	.14690	-.00110	.54830	-.18410	-.21410	3.19500	-.07200	3.12300	3.26700
2.010	3.390	.09770	.14810	-.00380	.65970	-.18610	-.21460	3.17550	-.08390	3.09160	3.25940
2.010	3.980	.11840	.14950	-.00620	.79110	-.18810	-.21600	3.11040	-.05800	3.05230	3.16840
2.010	4.560	.13800	.15180	-.00860	.90880	-.18890	-.21710	3.03250	-.09790	2.93450	3.13050
2.010	5.140	.15640	.15410	-.01090	1.01510	-.19060	-.21890	2.99300	-.15270	2.84030	3.14570
2.010	5.730	.17690	.15750	-.01240	1.12360	-.19310	-.22120	2.95410	-.16880	2.78530	3.12290
2.010	6.330	.19670	.16100	-.01470	1.22140	-.19650	-.22390	2.88080	-.16620	2.71460	3.04710
2.010	6.930	.21420	.16460	-.01680	1.30150	-.19830	-.22740	2.89220	-.17760	2.71460	3.06960
2.010	7.540	.23690	.16970	-.01900	1.39590	-.20020	-.22830	2.79530	-.20630	2.58900	3.00160
2.010	8.170	.25550	.17400	-.02130	1.46820	-.20230	-.23060	2.74880	-.21480	2.53400	2.96360
2.010	8.770	.27840	.18010	-.02220	1.54520	-.20160	-.23190	2.72970	-.20350	2.52610	2.93330
2.010	9.400	.29710	.18510	-.02410	1.60510	-.20430	-.23370	2.70180	-.25420	2.44760	2.95610
2.010	10.030	.31930	.19110	-.02540	1.67040	-.20770	-.23720	2.66410	-.20850	2.45550	2.87260
2.010	10.640	.34190	.19850	-.02700	1.72240	-.20820	-.23850	2.65620	-.21640	2.43980	2.87260
2.010	11.300	.36410	.20560	-.02800	1.77080	-.21050	-.24020	2.61380	-.21330	2.40050	2.82710
2.010	11.930	.38610	.21340	-.02980	1.80930	-.21250	-.24160	2.58660	-.22530	2.36120	2.81200
2.010	12.550	.40790	.22200	-.03130	1.83690	-.21080	-.24090	2.58610	-.25620	2.32980	2.84230
2.010	13.200	.42920	.23010	-.03250	1.86460	-.21310	-.24260	2.53660	-.21460	2.32200	2.75130
2.010	13.840	.45490	.24110	-.03420	1.88610	-.21140	-.24130	2.51250	-.26910	2.24340	2.78160
2.010	14.480	.47710	.25120	-.03530	1.89880	-.21070	-.24180	2.52900	-.20700	2.32200	2.73610
2.010	15.140	.49820	.26120	-.03670	1.90720	-.21290	-.24330	2.52460	-.24180	2.28270	2.76550
2.010	15.770	.52080	.27280	-.03810	1.90860	-.21380	-.24290	2.47850	-.22720	2.25130	2.70580
2.010	16.430	.54390	.28500	-.03970	1.90820	-.21410	-.24280	2.51700	-.23430	2.28270	2.75130
2.010	17.090	.56740	.29850	-.04130	1.90030	-.21460	-.24150	2.47030	-.25820	2.21200	2.72860
2.010	17.740	.59050	.31230	-.04230	1.89070	-.21580	-.24190	2.49400	-.22690	2.26700	2.72100
2.010	18.350	.61300	.32630	-.04380	1.87840	-.21650	-.24160	2.47060	-.24280	2.22770	2.71340
2.010	18.970	.63380	.33990	-.04620	1.86470	-.21610	-.24170	2.45610	-.18900	2.26700	2.64510
2.010	19.620	.65190	.35340	-.04760	1.84460	-.22040	-.24450	2.42090	-.21660	2.20420	2.63750
2.010	20.250	.67760	.37110	-.04910	1.82550	-.22110	-.24510	2.43600	-.23180	2.20420	2.66790
2.010	20.840	.69300	.38410	-.05060	1.80410	-.22260	-.24760	2.40570	-.20150	2.20420	2.60720
2.010	21.330	.71280	.39850	-.05130	1.78670	-.22140	-.24750	2.45940	-.21600	2.24340	2.67550
2.010	21.780	.72560	.40910	-.05250	1.77350	-.22380	-.25000	2.43600	-.23180	2.20420	2.66790
2.010	22.140	.73810	.41980	-.05320	1.75810	-.22490	-.25050	2.46740	-.20040	2.26700	2.66790
2.010	22.520	.75290	.43100	-.05480	1.74660	-.22480	-.24990	2.43600	-.23180	2.20420	2.66790

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD046)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 86/ 0 RN/L = 10.92

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	- .470	-.05040	.11490	-.00950	-.43850	-.08490	-.11910	4.76380	.29090	5.05480	4.47280
2.990	- .030	-.04100	.11380	-.00990	-.36080	-.08620	-.11990	4.78660	.26820	5.05480	4.51830
2.990	.970	-.01820	.11200	-.01010	-.16320	-.08690	-.12180	4.81070	.32260	5.13330	4.48800
2.990	1.830	.00490	.11150	-.01010	.04390	-.08780	-.12170	4.76460	.33720	5.10190	4.42730
2.990	2.640	.02210	.11140	-.01050	.19880	-.08690	-.12240	4.77560	.30270	5.07840	4.47280
2.990	3.440	.04010	.11150	-.01050	.35990	-.08810	-.12200	4.74090	.30600	5.04690	4.43490
2.990	4.250	.06140	.11240	-.01130	.54630	-.09130	-.12230	4.73330	.31360	5.04690	4.41970
2.990	5.060	.08340	.11340	-.01180	.73550	-.09230	-.12180	4.68690	.30500	4.99200	4.38180
2.990	5.870	.10370	.11530	-.01320	.89950	-.09420	-.12230	4.70650	.32470	5.03120	4.38180
2.990	6.680	.12640	.11830	-.01430	1.06830	-.09550	-.12260	4.69830	.29370	4.99200	4.40460
2.990	7.510	.14950	.12210	-.01450	1.22440	-.09550	-.12240	4.62520	.30400	4.92920	4.32120
2.990	8.320	.17410	.12730	-.01520	1.36780	-.09680	-.12240	4.58280	.30710	4.88990	4.27560
2.990	9.140	.19770	.13270	-.01560	1.48930	-.09910	-.12250	4.54040	.31020	4.85060	4.23010
2.990	9.960	.21990	.13870	-.01650	1.58500	-.09880	-.12340	4.51750	.32520	4.84280	4.19220
2.990	10.770	.24510	.14620	-.01810	1.67550	-.09910	-.12310	4.43980	.29300	4.73280	4.14670
2.990	11.570	.26640	.15410	-.01950	1.72850	-.10070	-.12350	4.42790	.27350	4.70140	4.15430
2.990	12.390	.29060	.16290	-.02090	1.78350	-.10080	-.12480	4.35830	.26460	4.62290	4.09360
2.990	13.220	.31320	.17220	-.02270	1.81860	-.10280	-.12650	4.30780	.24440	4.55220	4.06330
2.990	14.030	.33910	.18300	-.02430	1.85240	-.10620	-.12710	4.26100	.22040	4.48150	4.04050
2.990	14.850	.36590	.19480	-.02540	1.87820	-.10670	-.12790	4.19170	.22690	4.41870	3.96470
2.990	15.680	.39030	.20690	-.02750	1.88650	-.10900	-.12860	4.17210	.20730	4.37940	3.96470
2.990	16.500	.41620	.21990	-.02940	1.89240	-.11080	-.12910	4.07960	.21340	4.29310	3.86610
2.990	17.350	.44170	.23400	-.03150	1.88700	-.11230	-.13040	4.03340	.22030	4.25380	3.81300
2.990	18.170	.46760	.24890	-.03280	1.87860	-.11410	-.13040	3.97560	.22320	4.19880	3.75240
2.990	19.010	.49090	.26350	-.03460	1.86310	-.11460	-.13170	3.93240	.18000	4.11240	3.75240
2.990	19.830	.51680	.27950	-.03630	1.84870	-.11590	-.13060	3.84030	.20920	4.04960	3.63100
2.990	20.680	.54340	.29730	-.03780	1.82770	-.11680	-.13170	3.78970	.18140	3.97110	3.60830
2.990	21.490	.56810	.31540	-.03960	1.80100	-.11670	-.13060	3.66550	.14060	3.80620	3.52490
2.990	22.330	.59360	.33480	-.04080	1.77290	-.11740	-.13200	3.60780	.15120	3.75910	3.45660
2.990	23.150	.61960	.35560	-.04350	1.74230	-.11690	-.13110	3.50690	.11860	3.62560	3.38830
2.990	23.990	.64620	.37750	-.04580	1.71170	-.11800	-.13210	3.43790	.14050	3.57840	3.29730
2.990	24.800	.67210	.40020	-.04750	1.67930	-.11800	-.13120	3.41090	.14390	3.55490	3.26700
2.990	25.640	.69590	.42330	-.04990	1.64380	-.11820	-.13220	3.34200	.17360	3.51560	3.16840
2.990	26.450	.72290	.44870	-.05250	1.61090	-.11810	-.13090	3.24870	.13330	3.38210	3.11530
2.990	27.270	.74690	.47360	-.05420	1.57680	-.11810	-.13170	3.20960	.10180	3.31140	3.10770
2.990	28.080	.77220	.49960	-.05700	1.54540	-.11830	-.13100	3.14000	.09290	3.23290	3.04710
2.990	28.900	.79690	.52660	-.05990	1.51310	-.11820	-.13080	3.10150	.09990	3.20150	3.00160
2.990	29.720	.82120	.55470	-.06260	1.48050	-.11930	-.13120	3.06330	.12240	3.18580	2.94090
2.990	30.540	.84350	.58270	-.06440	1.44760	-.11850	-.13100	3.10300	.18480	3.28790	2.91810
2.990	31.330	.86630	.61220	-.06800	1.41510	-.11780	-.12920	3.04220	.23780	3.28000	2.80440
2.990	32.150	.88830	.64240	-.07000	1.38270	-.11890	-.13000	3.04990	.23790	3.28790	2.81200
2.990	32.940	.90830	.67230	-.07310	1.35110	-.11810	-.12930	3.02340	.26440	3.28790	2.75890

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD046)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSNP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 86/ 0 RN/L = 10.92

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	33.700	.92900	.70300	-.07580	1.32130	-.11770	-.12730	2.91910	.25880	3.17790	2.66030
2.990	34.440	.94880	.73370	-.07810	1.29310	-.11930	-.12740	2.89600	.25840	3.15440	2.63750
2.990	34.930	.95880	.75290	-.07980	1.27340	-.11920	-.12780	2.88120	.29670	3.17790	2.58450

LA67 (LTV 552) ORBITER 49-0

(SFD047)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 84/ 0 RN/L = 14.96

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-.470	-.06020	.09480	-.01290	-.63520	-.02290	-.03610	4.35950	.11410	4.47370	4.24530
4.591	.040	-.05190	.09270	-.01240	-.56000	-.02590	-.03290	4.38710	.14930	4.53650	4.23770
4.591	1.040	-.03200	.08920	-.01320	-.35850	-.02470	-.03590	4.37470	.09900	4.47370	4.27560
4.591	1.890	-.01490	.08760	-.01280	-.17030	-.02650	-.03340	4.38670	.12620	4.51290	4.26050
4.591	2.690	-.00090	.08660	-.01250	-.01050	-.02630	-.03470	4.35220	.13720	4.48940	4.21500
4.591	3.470	.01350	.08620	-.01360	.15680	-.02590	-.03600	4.36720	.11430	4.48150	4.25290
4.591	4.290	.02940	.08630	-.01250	.34120	-.02850	-.03360	4.35240	.15260	4.50510	4.19980
4.591	5.090	.04740	.08690	-.01360	.54550	-.02780	-.03620	4.34390	.10610	4.45010	4.23770
4.591	5.890	.06480	.08790	-.01400	.73790	-.02990	-.03420	4.31290	.09790	4.41090	4.21500
4.591	6.690	.08370	.09000	-.01400	.93010	-.03100	-.03550	4.32580	.12510	4.45010	4.19980
4.591	7.500	.10050	.09310	-.01370	1.07900	-.03250	-.03470	4.28580	.09360	4.37940	4.19220
4.591	8.300	.11940	.09690	-.01350	1.23250	-.03330	-.03430	4.26710	.12800	4.39520	4.13910
4.591	9.110	.13890	.10140	-.01340	1.36980	-.03280	-.03360	4.22450	.11560	4.34020	4.10880
4.591	9.920	.15780	.10640	-.01300	1.48340	-.03530	-.03560	4.22440	.10790	4.33230	4.11540
4.591	10.730	.17910	.11210	-.01360	1.59800	-.03430	-.03720	4.21300	.11930	4.33230	4.09360
4.591	11.540	.19970	.11860	-.01380	1.68380	-.03580	-.03720	4.22100	.13490	4.35590	4.08610
4.591	12.370	.22090	.12580	-.01410	1.75520	-.03550	-.03640	4.17410	.10320	4.27740	4.07090
4.591	13.180	.24260	.13390	-.01570	1.81140	-.03470	-.03760	4.15580	.16070	4.31660	3.99500
4.591	13.980	.26340	.14210	-.01630	1.85330	-.03520	-.03630	4.11240	.10210	4.21450	4.01020
4.591	14.800	.28550	.15160	-.01700	1.88300	-.03570	-.03710	4.08540	.10550	4.19100	3.97990
4.591	15.610	.30770	.16150	-.01900	1.90460	-.03690	-.03710	4.02390	.11990	4.14390	3.90400
4.591	16.430	.32980	.17260	-.01910	1.90990	-.03790	-.03630	3.95790	.09170	4.04960	3.86610
4.591	17.250	.35470	.18530	-.01980	1.91390	-.03770	-.03630	3.91930	.09100	4.01040	3.82820
4.591	18.080	.37750	.19810	-.01980	1.90510	-.03770	-.03590	3.83760	.05490	3.89260	3.78270
4.591	18.910	.40240	.21290	-.02040	1.89030	-.03640	-.03630	3.75980	.01490	3.77480	3.74480
4.591	19.720	.42710	.22800	-.02130	1.87260	-.03740	-.03630	3.69820	.02160	3.71980	3.67650
4.591	20.540	.45070	.24370	-.02230	1.84940	-.03840	-.03840	3.69370	-.01310	3.68050	3.70690
4.591	21.380	.47470	.26050	-.02360	1.82240	-.03690	-.03840	3.61260	-.01840	3.59410	3.63100
4.591	22.190	.49840	.27810	-.02390	1.79180	-.03820	-.03750	3.55870	-.01160	3.54700	3.57040
4.591	23.010	.52200	.29680	-.02490	1.75840	-.03820	-.03840	3.52360	-.03150	3.49210	3.55520
4.591	23.830	.54850	.31770	-.02550	1.72620	-.03940	-.03580	3.41530	-.04880	3.36640	3.46420
4.591	24.650	.57160	.33780	-.02740	1.69180	-.03890	-.03630	3.38410	-.06480	3.31930	3.44900
4.591	25.480	.59530	.35950	-.02810	1.65570	-.03990	-.03840	3.33000	-.07350	3.25650	3.40350
4.591	26.280	.61940	.38220	-.03020	1.62050	-.03820	-.03960	3.29150	-.06640	3.22500	3.35800
4.591	27.100	.64310	.40550	-.03070	1.58580	-.03920	-.03630	3.19200	-.02190	3.17010	3.21390
4.591	27.920	.66590	.42980	-.03260	1.54930	-.03990	-.03710	3.14220	-.00340	3.13870	3.14570
4.591	28.720	.69090	.45560	-.03490	1.51650	-.03810	-.03880	3.11480	-.02320	3.09150	3.13810
4.591	29.540	.71370	.48120	-.03690	1.48290	-.03890	-.03800	3.11210	.04220	3.15440	3.06980
4.591	30.330	.73600	.50760	-.03910	1.44980	-.03870	-.03750	3.07730	.03780	3.11510	3.03950
4.591	31.130	.75950	.53560	-.04060	1.41800	-.04010	-.03960	3.04330	.07960	3.12300	2.96360
4.591	31.920	.78020	.56320	-.04390	1.38510	-.04040	-.03840	3.01640	.08300	3.09940	2.93330
4.591	32.710	.80060	.59140	-.04620	1.35360	-.03940	-.03670	2.97020	.08990	3.06010	2.88020

TABULATED SOURCE DATA. LTV TEST 552. LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0047)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 84/ 0 RN/L = 14.96

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	33.470	.82190	.62090	-.04860	1.32370	-.03990	-.03920	2.92410	.10450	3.02870	2.81960
4.591	34.210	.84010	.64890	-.05080	1.29460	-.04090	-.03790	2.83540	.10680	2.94230	2.72860
4.591	34.680	.85210	.66760	-.05220	1.27640	-.03990	-.03710	2.73840	.07040	2.80880	2.66790

LA67 (LTV 552) ORBITER 49-0

(SFD048)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	.000
SPDRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	1.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 126/ 0 RN/L = 8.07

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-1.950	-.07930	.17730	.03790	-.44720	-.28970	.49790	4.92950	-.16520	4.76420	5.09470
1.510	-1.400	-.05570	.17570	.03280	-.31700	-.28980	.50220	4.92190	-.15760	4.76420	5.07950
1.510	-.610	-.01890	.17350	.02610	-.10930	-.29170	.50270	4.83780	-.11280	4.72500	4.95060
1.510	.050	.01530	.17370	.02050	.08830	-.29140	.50930	4.81110	-.09390	4.71710	4.90510
1.510	.700	.04570	.17230	.01390	.26540	-.29410	.50610	4.74500	-.12210	4.62290	4.86720
1.510	1.310	.07380	.17280	.00960	.42700	-.29220	.50940	4.66800	-.11570	4.55220	4.78380
1.510	1.860	.09970	.17330	.00450	.57510	-.29370	.51120	4.62090	-.16280	4.45800	4.78380
1.510	2.450	.12650	.17430	.00000	.72570	-.29470	.51230	4.52050	-.16460	4.35590	4.68520
1.510	3.030	.15490	.17680	-.00360	.87600	-.29620	.51700	4.40910	-.13950	4.26950	4.54870
1.510	3.630	.18080	.17860	-.00840	1.01210	-.29800	.51460	4.35480	-.15590	4.19880	4.51070
1.510	4.220	.20830	.18250	-.01230	1.14170	-.29910	.52150	4.28970	-.13000	4.15960	4.41970
1.510	4.800	.23540	.18580	-.01650	1.26630	-.29960	.52340	4.19240	-.17420	4.01820	4.36670
1.510	5.410	.26060	.18940	-.02230	1.37530	-.30110	.52150	4.15330	-.20570	3.94750	4.35910
1.510	5.990	.28710	.19410	-.02590	1.47930	-.30180	.52160	4.02210	-.20800	3.81400	4.23310
1.510	6.590	.31540	.20040	-.03090	1.57340	-.30420	.52700	3.92090	-.25610	3.66480	4.17710
1.510	7.180	.34120	.20610	-.03510	1.65550	-.30460	.52810	3.82020	-.28100	3.53920	4.10120
1.510	7.770	.36590	.21220	-.03990	1.72410	-.30550	.52800	3.78150	-.28940	3.49210	4.07090
1.510	8.370	.39470	.21980	-.04470	1.79430	-.30370	.52950	3.73890	-.29400	3.44490	4.03300
1.510	8.960	.41840	.22630	-.04830	1.84880	-.30530	.52350	3.62710	-.29210	3.33500	3.91920
1.510	9.570	.44450	.23510	-.05130	1.89050	-.30740	.52570	3.57370	-.25440	3.31930	3.82820
1.510	10.150	.47000	.24450	-.05490	1.92240	-.30840	.52870	3.53960	-.22030	3.31930	3.75990
1.510	10.730	.49370	.25250	-.05810	1.95540	-.30960	.52660	3.54370	-.20860	3.33500	3.75240
1.510	11.320	.51940	.26280	-.05940	1.97610	-.31060	.53140	3.44330	-.21040	3.23290	3.65380
1.510	11.920	.54410	.27200	-.06240	2.00030	-.31390	.52930	3.45550	-.17550	3.28000	3.63100
1.510	12.510	.56650	.28120	-.06400	2.01450	-.31210	.52380	3.39050	-.14190	3.24860	3.53240
1.510	13.090	.59260	.29320	-.06690	2.02110	-.31210	.52980	3.33650	-.14280	3.19360	3.47930
1.510	13.680	.61520	.30310	-.06850	2.02940	-.31160	.52720	3.32190	-.09680	3.22510	3.41870
1.510	14.260	.63990	.31540	-.07100	2.02850	-.30930	.53500	3.21720	-.12560	3.09160	3.34290
1.510	14.840	.66030	.32650	-.07250	2.02210	-.30910	.53210	3.15980	-.09960	3.06010	3.25940
1.510	15.430	.68620	.34080	-.07470	2.01330	-.30860	.53490	3.08560	-.15100	2.93450	3.23670
1.510	16.040	.70760	.35430	-.07560	1.99700	-.31530	.53240	3.00460	-.14860	2.85600	3.15320
1.510	16.600	.73060	.36890	-.07730	1.98020	-.31870	.53710	2.92700	-.17310	2.75390	3.10020
1.510	17.210	.75210	.38350	-.07800	1.96110	-.32630	.53440	2.83370	-.21330	2.62040	3.04710
1.510	17.780	.77710	.39980	-.07990	1.94330	-.32900	.53520	2.79850	-.24090	2.55750	3.03950
1.510	18.360	.79450	.41360	-.08170	1.92080	-.33580	.52990	2.71650	-.30020	2.41620	3.01670
1.510	18.940	.81650	.43030	-.08280	1.89750	-.33650	.53450	2.67150	-.22380	2.44760	2.89540
1.510	19.530	.83840	.44650	-.08430	1.87750	-.33800	.53470	2.66320	-.25490	2.40830	2.91810
1.510	20.120	.85830	.46270	-.08600	1.85510	-.33990	.53340	2.59810	-.22900	2.36910	2.82710
1.510	20.680	.87840	.47900	-.08650	1.83360	-.34240	.53200	2.54800	-.22600	2.32200	2.77410
1.510	21.250	.90410	.49860	-.08840	1.81320	-.34150	.53740	2.55590	-.21810	2.33770	2.77410
1.510	21.820	.92290	.51570	-.08980	1.78960	-.34330	.53790	2.47460	-.23110	2.24340	2.70580
1.510	22.360	.94030	.53200	-.08990	1.76740	-.33670	.53940	2.43660	-.20090	2.23560	2.63750

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD048)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 126/ 0 RN/L = 8.07

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	22.920	.95390	.54750	-.08990	1.74230	-.33590	.53440	2.42090	-.21660	2.20420	2.63750
1.510	23.390	.97340	.56510	-.09040	1.72250	-.33540	.53910	2.36220	-.26010	2.10210	2.62240
1.510	23.690	.98170	.57440	-.09040	1.70890	-.34050	.53760	2.32800	-.23370	2.09420	2.56170

LA67 (LTV 552) ORBITER 49-0

(SFD048)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	1.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 128/ 0 RN/L = 8.22

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-2.020	-.08280	.15470	.01300	-.53550	-.19420	.74410	6.10820	-.48800	5.62020	6.59630
2.010	-1.490	-.06510	.15270	.01070	-.42670	-.19460	.74850	6.07320	-.50790	5.56520	6.58110
2.010	-.730	-.03720	.15040	.00760	-.24720	-.19600	.74910	6.06570	-.49260	5.57310	6.55840
2.010	-.090	-.01240	.14950	.00360	-.08340	-.19830	.75100	6.05860	-.46180	5.59670	6.52050
2.010	.520	.00940	.14910	.00070	.06300	-.19980	.75200	6.03530	-.47000	5.56520	6.50530
2.010	1.080	.03070	.14850	-.00160	.20690	-.19940	.75150	5.99330	-.44370	5.54950	6.43700
2.010	1.620	.05010	.14910	-.00360	.33640	-.20100	.75880	6.00890	-.43570	5.57310	6.44460
2.010	2.190	.07090	.14970	-.00640	.47380	-.20060	.76070	5.94700	-.44450	5.50240	6.39150
2.010	2.740	.09070	.15060	-.00950	.60250	-.20230	.76130	5.85720	-.50390	5.35320	6.36120
2.010	3.310	.10960	.15160	-.01170	.72300	-.20230	.76080	5.85370	-.48470	5.36890	6.33840
2.010	3.880	.12930	.15400	-.01380	.84000	-.20380	.76430	5.79530	-.51270	5.29250	6.30810
2.010	4.440	.15030	.15590	-.01660	.96400	-.20510	.76370	5.71850	-.49090	5.22760	6.20930
2.010	5.020	.17020	.15810	-.01920	1.07640	-.20410	.76150	5.70380	-.45260	5.25110	6.15640
2.010	5.580	.18990	.16140	-.02120	1.17520	-.20660	.76470	5.62970	-.49630	5.13330	6.12510
2.010	6.150	.20960	.16460	-.02330	1.27300	-.20670	.76360	5.61480	-.46570	5.14900	6.08060
2.010	6.730	.22730	.16830	-.02520	1.35040	-.20970	.76410	5.55970	-.52840	5.03120	6.08820
2.010	7.290	.24680	.17260	-.02660	1.43010	-.21120	.76520	5.49100	-.48330	5.00770	5.97440
2.010	7.850	.26410	.17630	-.02890	1.49790	-.21010	.76430	5.42970	-.46120	4.96840	5.89100
2.010	8.410	.28450	.18160	-.02990	1.56590	-.21240	.76870	5.31050	-.43630	4.87420	5.74690
2.010	8.990	.30220	.18590	-.03180	1.62550	-.21210	.76490	5.29580	-.39800	4.89770	5.69380
2.010	9.570	.32180	.19160	-.03320	1.67910	-.21370	.76810	5.24570	-.39500	4.85060	5.64370
2.010	10.130	.34330	.19820	-.03470	1.73130	-.21380	.77110	5.15290	-.40430	4.74850	5.55730
2.010	10.720	.36500	.20530	-.03580	1.77750	-.21450	.77250	5.11500	-.36640	4.74850	5.48150
2.010	11.280	.38280	.21090	-.03730	1.81510	-.21400	.76950	5.08780	-.37850	4.70930	5.46630
2.010	11.850	.40340	.21850	-.03810	1.84630	-.21540	.77160	5.04580	-.35220	4.69360	5.39800
2.010	12.430	.42460	.22640	-.03920	1.87540	-.21570	.77220	4.98410	-.35330	4.63070	5.33740
2.010	13.000	.44710	.23570	-.04030	1.89650	-.21860	.77560	4.92580	-.37360	4.55220	5.29950
2.010	13.570	.46690	.24440	-.04150	1.91010	-.21920	.77540	4.88360	-.36270	4.52080	5.24640
2.010	14.140	.48700	.25370	-.04270	1.91960	-.22140	.77480	4.87550	-.38600	4.48940	5.26150
2.010	14.730	.50780	.26380	-.04370	1.92460	-.22210	.77480	4.81780	-.37550	4.44230	5.19330
2.010	15.300	.52650	.27340	-.04470	1.92510	-.22190	.77440	4.78980	-.43380	4.35590	5.22360
2.010	15.850	.54700	.28410	-.04600	1.92530	-.22050	.77290	4.72870	-.39630	4.33230	5.12500
2.010	16.430	.56810	.29580	-.04730	1.92050	-.22250	.77290	4.68210	-.41250	4.26950	5.09470
2.010	16.980	.58400	.30530	-.04870	1.91280	-.22220	.76970	4.66990	-.44750	4.22240	5.11740
2.010	17.550	.60450	.31770	-.05050	1.90250	-.22280	.77060	4.58920	-.42960	4.15960	5.01890
2.010	18.120	.62630	.33140	-.05200	1.88380	-.22480	.77660	4.57400	-.41440	4.15960	4.98850
2.010	18.690	.64360	.34330	-.05350	1.87480	-.22400	.77460	4.49590	-.46980	4.02610	4.96580
2.010	19.250	.66470	.35760	-.05450	1.85350	-.22520	.77890	4.45000	-.44750	4.00250	4.89750
2.010	19.800	.68050	.36950	-.05610	1.84160	-.22700	.77590	4.41860	-.47890	3.93970	4.89750
2.010	20.380	.69790	.38320	-.05730	1.82140	-.22650	.77360	4.34930	-.47240	3.87680	4.82170
2.010	20.920	.72040	.39940	-.05900	1.80350	-.22880	.78010	4.27990	-.46590	3.81400	4.74580
2.010	21.470	.74840	.41480	-.06030	1.78480	-.23140	.77860	4.21520	-.41680	3.79830	4.63210

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0048)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	1.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 128/ 0 RN/L = 8.22

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	22.010	.75780	.42910	-.06190	1.76590	-.23330	.77510	4.14600	-.40260	3.74330	4.54870
2.010	22.540	.77240	.44240	-.06380	1.74570	-.23460	.77280	4.11840	-.43780	3.68050	4.55620
2.010	23.010	.78990	.45700	-.06500	1.72820	-.23590	.77290	4.08360	-.44230	3.64130	4.52590
2.010	23.340	.80050	.46630	-.06620	1.71640	-.23670	.76950	4.01800	-.43960	3.57840	4.45770

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0548)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPOBRK =	55.000	RN/L =	0.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	1.000	ALFSWP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1126/ 0 RN/L = 0.02

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	.020	.01080	.17250	.02310	.06310	-.29210	.55380	3.68510	-.28720	3.39780	3.97230
1.510	.240	.02140	.17200	.02100	.12450	-.29310	.55160	3.65050	-.27620	3.37430	3.92680
1.510	.480	.03440	.17210	.01930	.19980	-.29240	.55240	3.61180	-.28460	3.32710	3.89650
1.510	.840	.05290	.17230	.01560	.30720	-.29290	.55180	3.60850	-.24990	3.35860	3.85850
1.510	1.300	.07440	.17230	.01150	.43220	-.29480	.54990	3.55980	-.22380	3.33500	3.78270
1.510	1.860	.10140	.17270	.00720	.58720	-.29480	.54860	3.52000	-.23990	3.28000	3.75990
1.510	2.470	.12920	.17410	.00270	.74210	-.29630	.55010	3.47040	-.20610	3.26430	3.67650
1.510	3.110	.15870	.17590	-.00240	.90210	-.29790	.54780	3.45610	-.14460	3.31140	3.60070
1.510	3.760	.18720	.17860	-.00680	1.04850	-.29840	.54890	3.37450	-.17300	3.20150	3.54760
1.510	4.410	.21670	.18170	-.01130	1.19310	-.30200	.54490	3.32880	-.14230	3.18580	3.47180
1.510	5.050	.24460	.18550	-.01610	1.31830	-.30140	.54530	3.27950	-.09360	3.18580	3.37320
1.510	5.700	.27330	.19060	-.02160	1.43370	-.30310	.54750	3.21420	-.07550	3.13870	3.27980
1.510	6.350	.30330	.19620	-.02620	1.54560	-.30870	.54300	3.15170	-.12290	3.02870	3.27460
1.510	7.020	.33150	.20280	-.03170	1.63420	-.31030	.54500	3.02820	-.12500	2.90310	3.15320
1.510	7.680	.36180	.21020	-.03590	1.72130	-.31080	.54360	2.98100	-.17220	2.80880	3.15320
1.510	8.340	.39360	.21870	-.04100	1.79970	-.31170	.54470	2.89550	-.21220	2.68320	3.10770
1.510	8.990	.42180	.22690	-.04620	1.85860	-.31150	.54560	2.80230	-.24470	2.55750	3.04710
1.510	9.660	.45010	.23590	-.05050	1.90830	-.31090	.54560	2.76050	-.20300	2.55750	2.96360
1.510	10.330	.47990	.24610	-.05420	1.95000	-.31260	.54530	2.70620	-.22710	2.47900	2.93330
1.510	11.020	.50710	.25620	-.05720	1.97950	-.31290	.54350	2.62790	-.29020	2.33770	2.91810
1.510	11.690	.53570	.26770	-.05940	2.00440	-.31360	.54440	2.63580	-.28230	2.35340	2.91810
1.510	12.370	.56430	.27910	-.06200	2.02160	-.31240	.54330	2.57850	-.24860	2.32980	2.82710
1.510	13.070	.59050	.29050	-.06540	2.03270	-.31430	.53980	2.52400	-.27270	2.25130	2.79680
1.510	13.760	.62180	.30480	-.06740	2.03950	-.31180	.54500	2.52400	-.27270	2.25130	2.79680
1.510	14.440	.64900	.31900	-.07010	2.03430	-.31440	.54350	2.47840	-.23490	2.24340	2.71340
1.510	15.160	.67540	.33350	-.07270	2.02530	-.31920	.54060	2.48590	-.25020	2.23580	2.73610
1.510	15.830	.70200	.34940	-.07490	2.00930	-.32150	.54380	2.44780	-.22000	2.22770	2.66790
1.510	16.520	.73250	.36740	-.07650	1.99320	-.32600	.54470	2.44730	-.25090	2.19630	2.69820
1.510	17.220	.75500	.38380	-.07830	1.96710	-.33210	.54040	2.40150	-.22080	2.18060	2.62240
1.510	17.940	.78500	.40370	-.08010	1.94450	-.33370	.54380	2.39000	-.21720	2.17270	2.60720
1.510	18.630	.81210	.42310	-.08220	1.91950	-.33420	.54470	2.38940	-.24810	2.14130	2.63750
1.510	19.310	.83550	.44120	-.08400	1.89350	-.33610	.54370	2.35530	-.21390	2.14130	2.56930
1.510	20.020	.86100	.46120	-.08570	1.86670	-.33840	.54180	2.33530	-.25670	2.07880	2.59200
1.510	20.730	.88470	.48120	-.08680	1.83820	-.33710	.53890	2.32460	-.20670	2.11780	2.53140
1.510	21.410	.91240	.50390	-.08860	1.81070	-.33530	.54230	2.34330	-.24110	2.10210	2.58450
1.510	22.040	.93150	.52240	-.08940	1.78290	-.33460	.54240	2.31670	-.21460	2.10210	2.53140
1.510	22.590	.95010	.54000	-.09040	1.75930	-.33540	.54270	2.33610	-.21040	2.12560	2.54650
1.510	23.060	.96590	.55590	-.09000	1.73720	-.33760	.54200	2.33570	-.23360	2.10210	2.56930
1.510	23.410	.97560	.56710	-.09000	1.72040	-.33850	.54120	2.31660	-.22230	2.09420	2.53900
1.510	23.720	.98200	.57470	-.09100	1.70850	-.34150	.53620	2.31590	-.26090	2.05490	2.57690

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0548)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSWP =	2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 1128/ 0 RN/L = 8.20

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-2.040	-.08450	.15450	.01550	-.54680	-.19550	.77120	5.48580	-.34450	5.14120	5.83030
2.010	-1.780	-.07640	.15320	.01420	-.49900	-.19630	.76890	5.42440	-.32240	5.10190	5.74690
2.010	-1.530	-.06510	.15240	.01220	-.42740	-.19680	.76900	5.32800	-.32030	5.00770	5.64830
2.010	-1.150	-.05060	.15080	.01040	-.33590	-.19850	.76810	5.30200	-.26280	5.03910	5.56490
2.010	-.660	-.03340	.15000	.00850	-.22320	-.19840	.76930	5.21610	-.31840	4.89770	5.53460
2.010	-.080	-.01150	.14920	.00610	-.07750	-.19870	.76880	5.16280	-.28070	4.88200	5.44360
2.010	.530	.00970	.14780	.00220	.06620	-.20110	.76600	5.09250	-.32820	4.76420	5.42080
2.010	1.140	.03470	.14810	-.00010	.23440	-.20280	.76750	4.98490	-.30700	4.67790	5.29190
2.010	1.790	.05490	.14800	-.00300	.37090	-.20310	.76560	4.93330	-.30890	4.54440	5.32220
2.010	2.410	.07910	.14890	-.00540	.53140	-.20490	.76610	4.88390	-.34730	4.53650	5.23120
2.010	3.060	.10150	.15010	-.00900	.67640	-.20380	.76500	4.76310	-.41500	4.34800	5.17810
2.010	3.700	.12410	.15170	-.01180	.81820	-.20780	.76580	4.73630	-.40390	4.33230	5.14020
2.010	4.360	.14520	.15390	-.01450	.94350	-.20770	.76360	4.66920	-.48610	4.18310	5.15540
2.010	5.000	.16910	.15730	-.01730	1.07450	-.20950	.76740	4.64650	-.46330	4.18310	5.10990
2.010	5.640	.19190	.16090	-.01910	1.19280	-.21040	.76670	4.60030	-.45640	4.14380	5.05680
2.010	6.300	.21490	.16480	-.02210	1.30360	-.21310	.76710	4.54210	-.47670	4.06530	5.01890
2.010	6.950	.23550	.16930	-.02400	1.39120	-.21430	.76790	4.51840	-.50800	4.01030	5.02640
2.010	7.610	.25690	.17410	-.02610	1.47530	-.21500	.76850	4.47570	-.52030	3.95540	4.99610
2.010	8.260	.28030	.17940	-.02820	1.56190	-.21650	.76690	4.44970	-.46290	3.98680	4.91270
2.010	8.930	.30150	.18520	-.03040	1.62810	-.21570	.76690	4.42580	-.50960	3.91610	4.93540
2.010	9.580	.32510	.19170	-.03210	1.69600	-.21870	.76740	4.38000	-.47950	3.90040	4.85960
2.010	10.260	.34880	.19920	-.03310	1.75080	-.21940	.76830	4.33710	-.50730	3.82970	4.84440
2.010	10.930	.37320	.20720	-.03500	1.80110	-.22030	.76860	4.29920	-.46940	3.82970	4.76860
2.010	11.610	.39700	.21560	-.03710	1.84150	-.22140	.76860	4.28710	-.49660	3.79050	4.78380
2.010	12.290	.42090	.22450	-.03770	1.87470	-.22120	.76780	4.27600	-.46980	3.80620	4.74580
2.010	12.970	.44470	.23380	-.04000	1.90130	-.22170	.76730	4.22900	-.50920	3.71980	4.73830
2.010	13.650	.47090	.24490	-.04080	1.92250	-.22440	.76830	4.20690	-.44780	3.75910	4.65480
2.010	14.350	.49530	.25650	-.04200	1.93060	-.22500	.76940	4.18730	-.46750	3.71980	4.65480
2.010	15.060	.51840	.26790	-.04430	1.93480	-.22390	.76590	4.16060	-.44870	3.71190	4.60930
2.010	15.740	.54230	.28050	-.04550	1.93310	-.22570	.76660	4.12600	-.44540	3.68050	4.57140
2.010	16.430	.56610	.29380	-.04730	1.92700	-.22550	.76640	4.13790	-.43360	3.70410	4.57140
2.010	17.110	.59310	.30910	-.04880	1.91850	-.22730	.76940	4.08020	-.41530	3.66480	4.49560
2.010	17.820	.61830	.32480	-.05140	1.90350	-.22960	.77100	4.10380	-.39180	3.71190	4.49560
2.010	18.510	.64180	.34020	-.05320	1.88650	-.23060	.77040	4.08430	-.40370	3.68050	4.48800
2.010	19.190	.66430	.35560	-.05480	1.86780	-.23240	.76730	4.07720	-.46520	3.71190	4.44250
2.010	19.880	.68900	.37330	-.05670	1.84560	-.23360	.76900	4.05370	-.38880	3.66480	4.44250
2.010	20.590	.71180	.39120	-.05890	1.81930	-.23630	.77070	4.11580	-.36460	3.75120	4.48040
2.010	21.260	.73440	.40910	-.05970	1.79490	-.23610	.76850	4.06520	-.39240	3.67270	4.45770
2.010	21.880	.75420	.42530	-.06230	1.77310	-.23860	.76640	4.03860	-.36590	3.67270	4.40460
2.010	22.410	.77370	.44150	-.06330	1.75230	-.23860	.76990	4.08110	-.36130	3.71980	4.44250
2.010	22.870	.78920	.45490	-.06500	1.73490	-.23760	.76800	4.01140	-.37790	3.63340	4.38940
2.010	23.190	.79700	.46290	-.06550	1.72170	-.23960	.76700	4.03840	-.38130	3.65700	4.41970

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SP0548)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	1.000	ALFSHP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1128/ 0 RN/L = 8.20

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	23.430	.80670	.47040	-.06650	1.71470	-.23930	.77050	4.01510	-.38950	3.62560	4.40460

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0049)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	2.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP0S	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 113/ 0 RN/L = 8.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.330	-.02880	.17000	.03910	-.16980	-.26860	-.31070	.82220	1.24840	2.07070	-.42620
1.510	.150	-.00610	.16950	.03520	-.03600	-.26670	-.31140	.84590	1.27970	2.12560	-.43380
1.510	.830	.02520	.16840	.03010	.14990	-.26920	-.31550	.81850	1.25990	2.07850	-.44140
1.510	1.410	.05140	.16850	.02540	.30540	-.26830	-.31740	.81500	1.27920	2.09420	-.46410
1.510	1.980	.07640	.16860	.02050	.45350	-.26990	-.31720	.74170	1.28180	2.02350	-.54000
1.510	2.500	.10070	.16920	.01580	.59510	-.26980	-.31460	.74210	1.30490	2.04710	-.56270
1.510	3.030	.12400	.16990	.01220	.72960	-.26990	-.31260	.70730	1.30040	2.00780	-.59310
1.510	3.550	.14820	.17170	.00880	.86320	-.27080	-.31010	.59900	1.28310	1.88220	-.68410
1.510	4.060	.16990	.17370	.00560	.97770	-.27390	-.31040	.47850	1.23090	1.70940	-.75230
1.510	4.590	.19190	.17660	.00210	1.08660	-.27190	-.30920	.31850	1.12390	1.44240	-.80540
1.510	5.120	.21540	.17910	-.00050	1.20220	-.27410	-.31190	.05820	1.02290	1.08120	-.96470
1.510	5.650	.23680	.18250	-.00370	1.29750	-.27730	-.31530	-.13290	.90000	.76710	-1.03290
1.510	6.170	.26180	.18680	-.00730	1.40140	-.27680	-.31750	-.24760	.95970	.71210	-1.20730
1.510	6.700	.28530	.19160	-.01020	1.48880	-.27940	-.31910	-.32810	.98530	.65710	-1.31350
1.510	7.230	.30920	.19680	-.01460	1.57090	-.28160	-.32030	-.39300	1.02660	.63360	-1.41970
1.510	7.740	.33160	.20250	-.01800	1.63690	-.28340	-.31930	-.51220	1.05160	.53930	-1.56380
1.510	8.260	.35490	.20750	-.02180	1.71000	-.28570	-.31640	-.59600	1.11180	.51580	-1.70790
1.510	8.790	.37910	.21410	-.02540	1.77090	-.28820	-.31400	-.63420	1.13430	.50010	-1.76850
1.510	9.310	.39900	.22030	-.02890	1.81110	-.29160	-.31530	-.66850	1.16070	.49220	-1.82920
1.510	9.850	.42450	.22920	-.03180	1.85230	-.29300	-.32000	-.76030	1.20540	.44510	-1.96570
1.510	10.370	.44420	.23590	-.03480	1.88310	-.29910	-.32530	-.85710	1.18440	.32730	-2.04160
1.510	10.890	.46530	.24340	-.03630	1.91110	-.30070	-.32810	-.94590	1.17900	.23310	-2.12500
1.510	11.420	.48580	.25150	-.03830	1.93120	-.30010	-.32980	-1.03470	1.17360	.13880	-2.20840
1.510	11.940	.50500	.25870	-.04080	1.95130	-.30390	-.32990	-1.11190	1.17230	.06030	-2.28420
1.510	12.470	.53080	.26880	-.04350	1.97450	-.30310	-.32860	-1.19600	1.21710	.02100	-2.41320
1.510	12.980	.55110	.27740	-.04540	1.99850	-.30380	-.32840	-1.29620	1.22310	-.07310	-2.51930
1.510	13.530	.57210	.28740	-.04750	1.99020	-.30480	-.32770	-1.37750	1.21010	-.16730	-2.58760
1.510	14.040	.59250	.29690	-.04990	1.99540	-.30640	-.32860	-1.42720	1.23620	-.19090	-2.66340
1.510	14.550	.61470	.30720	-.05090	2.00090	-.30570	-.33190	-1.49700	1.21180	-.28510	-2.70890
1.510	15.100	.63640	.31870	-.05260	1.99670	-.30600	-.33320	-1.58520	1.24500	-.34010	-2.83030
1.510	15.610	.65660	.32960	-.05390	1.99170	-.30570	-.33350	-1.61970	1.25600	-.36370	-2.87580
1.510	16.120	.67480	.33970	-.05350	1.98610	-.30850	-.33520	-1.66290	1.21280	-.45000	-2.87580
1.510	16.650	.69520	.35200	-.05620	1.97500	-.30740	-.33720	-1.70480	1.24680	-.45790	-2.95160
1.510	17.150	.71530	.36430	-.05690	1.96370	-.30890	-.34090	-1.70800	1.28150	-.42650	-2.98950
1.510	17.670	.73890	.37890	-.05830	1.94780	-.30810	-.34510	-1.80900	1.24110	-.56780	-3.05020
1.510	18.180	.75790	.39260	-.05960	1.93010	-.31180	-.35100	-1.85430	1.30210	-.55210	-3.15640
1.510	18.700	.77790	.40640	-.06120	1.91400	-.31470	-.35580	-1.90900	1.26250	-.64640	-3.17150
1.510	19.220	.79540	.42000	-.06150	1.89380	-.31530	-.35710	-1.96620	1.29630	-.66990	-3.26250
1.510	19.700	.81510	.43460	-.06350	1.87540	-.31730	-.36260	-1.99390	1.26110	-.73280	-3.25500
1.510	20.210	.83420	.44840	-.06390	1.86040	-.31730	-.36270	-2.06320	1.26760	-.79560	-3.33080
1.510	20.690	.85230	.46210	-.06520	1.84450	-.31570	-.36090	-2.16430	1.21950	-.94480	-3.38390
1.510	21.170	.86970	.47760	-.06620	1.82080	-.31870	-.36520	-2.17250	1.19620	-.97620	-3.36970

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(5FD049)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 113/ 0 RN/L = 8.05

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	21.520	.88060	.48760	-.06640	1.80590	-.32110	-.36880	-2.19540	1.21120	-.98410	-3.40660

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 361

LA67 (LTV 552) ORBITER 49-0

(SF0049)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	2.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	ALFSHP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 100/ 0 RN/L = 8.36

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-.480	-.04670	.14690	.02020	-.31780	-.17860	-.20880	1.29740	1.95120	3.24860	-.65370
2.010	.000	-.03020	.14570	.01800	-.20730	-.17830	-.20890	1.29350	1.94720	3.24080	-.65370
2.010	.710	-.00390	.14420	.01550	-.02760	-.17920	-.20910	1.28940	1.93560	3.22510	-.64610
2.010	1.300	.01660	.14420	.01180	.11510	-.17980	-.21000	1.17310	1.90270	3.07580	-.72960
2.010	1.870	.03760	.14390	.00960	.26130	-.18280	-.21050	1.01370	1.83430	2.84810	-.82060
2.010	2.400	.05510	.14450	.00720	.38180	-.18290	-.21110	.85710	1.70040	2.55750	-.84330
2.010	2.920	.07240	.14520	.00540	.49850	-.18170	-.21190	.65610	1.68150	2.33770	-1.02530
2.010	3.440	.08890	.14610	.00420	.60850	-.18260	-.21190	.49130	1.74420	2.23560	-1.25280
2.010	3.950	.10560	.14730	.00200	.71690	-.18340	-.21190	.39260	1.83510	2.22770	-1.44240
2.010	4.490	.12300	.14860	.00030	.82820	-.18220	-.21150	.29880	1.82570	2.12560	-1.52590
2.010	5.020	.14040	.15020	-.00230	.93460	-.18250	-.21160	.21550	1.85510	2.07070	-1.63960
2.010	5.540	.15760	.15280	-.00390	1.03090	-.18340	-.21220	.11210	1.90350	2.01570	-1.79130
2.010	6.080	.17500	.15580	-.00620	1.12320	-.18550	-.21200	.06610	1.91810	1.98430	-1.85200
2.010	6.590	.19280	.15920	-.00720	1.21130	-.18810	-.21300	-.03710	1.96650	1.92930	-2.00360
2.010	7.120	.20880	.16210	-.00960	1.28740	-.18900	-.21430	-.12320	1.89550	1.77220	-2.01880
2.010	7.640	.22690	.16600	-.01030	1.36630	-.19130	-.21570	-.23478	1.92060	1.68590	-2.15530
2.010	8.160	.24340	.16990	-.01160	1.43250	-.19310	-.21810	-.29980	1.94650	1.64660	-2.24630
2.010	8.710	.26110	.17460	-.01280	1.49550	-.19570	-.22060	-.38110	1.93350	1.55240	-2.31460
2.010	9.230	.27810	.17930	-.01420	1.55020	-.19720	-.22250	-.46310	1.87420	1.41100	-2.33730
2.010	9.770	.29750	.18480	-.01450	1.61000	-.19870	-.22580	-.57100	1.88000	1.30890	-2.45110
2.010	10.280	.31500	.18990	-.01540	1.65840	-.20160	-.22730	-.65650	1.84760	1.19110	-2.50420
2.010	10.820	.33100	.19520	-.01700	1.69550	-.20330	-.23110	-.69570	1.80840	1.11260	-2.50420
2.010	11.350	.34950	.20120	-.01760	1.73620	-.20700	-.23340	-.85090	1.75940	.90840	-2.61030
2.010	11.870	.36810	.20710	-.01840	1.77660	-.20790	-.23480	-.93300	1.70010	.76710	-2.63310
2.010	12.400	.38640	.21380	-.01920	1.80750	-.20960	-.23560	-.98670	1.71460	.72780	-2.70130
2.010	12.930	.40570	.22080	-.01920	1.83730	-.21110	-.23740	-1.05170	1.74820	.69640	-2.79990
2.010	13.460	.42380	.22850	-.02020	1.85480	-.21320	-.23810	-1.12880	1.75450	.62570	-2.88340
2.010	13.990	.44260	.23620	-.02150	1.87330	-.21380	-.23970	-1.12090	1.76240	.64140	-2.88340
2.010	14.520	.46180	.24460	-.02220	1.88760	-.21460	-.24090	-1.18160	1.82310	.64140	-3.00470
2.010	15.040	.48060	.25360	-.02320	1.89510	-.21440	-.24150	-1.25080	1.83730	.58640	-3.08810
2.010	15.570	.50000	.26290	-.02540	1.90150	-.21490	-.24360	-1.23910	1.84130	.60210	-3.08050
2.010	16.090	.51920	.27270	-.02650	1.90340	-.21480	-.24230	-1.33570	1.83580	.50010	-3.17150
2.010	16.620	.53580	.28200	-.02710	1.89980	-.21270	-.24300	-1.34190	1.92060	.57860	-3.26250
2.010	17.140	.55390	.29230	-.02820	1.89500	-.21090	-.24220	-1.38470	1.90050	.51580	-3.28530
2.010	17.680	.57300	.30310	-.02870	1.89020	-.21280	-.24240	-1.42740	1.88820	.46080	-3.31560
2.010	18.210	.58900	.31350	-.03000	1.87850	-.21330	-.24270	-1.45040	1.89550	.44510	-3.34600
2.010	18.710	.60490	.32410	-.03090	1.86610	-.21360	-.24310	-1.50770	1.92930	.42150	-3.43700
2.010	19.230	.62370	.33640	-.03210	1.85390	-.21230	-.24150	-1.52310	1.92900	.40580	-3.45210
2.010	19.750	.63880	.34760	-.03300	1.83760	-.21590	-.24280	-1.61980	1.91570	.29590	-3.53560
2.010	20.260	.65660	.36010	-.03340	1.82310	-.21790	-.24380	-1.63060	1.95800	.32730	-3.58870
2.010	20.750	.67420	.37300	-.03490	1.80730	-.21800	-.24350	-1.66980	1.92640	.25660	-3.59620
2.010	21.250	.69060	.38530	-.03610	1.79210	-.21990	-.24520	-1.70510	1.89110	.18590	-3.59620

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

LA67 (LTV 552) ORBITER 49-0

(SF0049)

PAGE 362

PARAMETRIC DATA

ELEVON	=	.000
SPOBRK	=	55.000
GRITNO	=	.000
BETA	=	.000
BOFLAP	=	.000
ELEVON	=	.000
RN/L	=	8.000
RCSPOS	=	1.000
ALFSMP	=	1.000
RUDDER	=	.000

RUN NO. 100/ 0 RN/L = 8.36

MACH	2.010
ALPHA	21.740
CL	.70980
CD	.39940
CLM	-.03680
L/D	1.77680
CPC	-.22130
CPB	-.24600
ELEVON	-1.74790
AILRON	1.87100
ELVN-L	.12310
ELVN-R	-3.61900
	-3.71760

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0549)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSMP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1113/ 0 RN/L = 8.02

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.460	-.03460	.17050	.04050	-.20310	-.26750	-.30900	.60980	1.24090	1.85080	-.63100
1.510	-.250	-.02500	.17000	.03850	-.14710	-.26730	-.31080	.53570	1.18940	1.72510	-.65370
1.510	-.020	-.01500	.16960	.03720	-.08840	-.27050	-.31050	.51670	1.20840	1.72510	-.69160
1.510	.300	.00050	.16850	.03410	.00350	-.27140	-.31200	.43460	1.14910	1.58380	-.71440
1.510	.750	.02170	.16840	.03040	.12920	-.27080	-.31210	.27920	1.08460	1.36390	-.80540
1.510	1.270	.04500	.16830	.02670	.26760	-.27120	-.31200	.13130	1.01260	1.14400	-.88120
1.510	1.830	.07120	.16810	.02340	.42340	-.27110	-.31330	-.06260	.94750	.88490	-1.01020
1.510	2.410	.09500	.16890	.01900	.56250	-.27260	-.31060	-.20150	.94510	.74350	-1.14670
1.510	2.990	.11940	.16910	.01510	.70570	-.27260	-.31220	-.38370	.89950	.51580	-1.26320
1.510	3.590	.14660	.17140	.01180	.85560	-.27290	-.31010	-.63460	.89120	.25660	-1.52590
1.510	4.170	.16950	.17330	.00810	.97830	-.27330	-.31190	-.83240	.82990	-.00240	-1.66240
1.510	4.780	.19810	.17670	.00460	1.12120	-.27490	-.31080	-1.05500	.89550	-.15950	-1.95060
1.510	5.360	.22360	.18020	.00160	1.24130	-.27560	-.31340	-1.15440	.94780	-.20660	-2.10220
1.510	5.980	.24980	.18460	-.00270	1.35350	-.27860	-.31220	-1.25330	1.03090	-.22230	-2.28420
1.510	6.560	.27550	.18870	-.00650	1.45970	-.27970	-.31570	-1.41040	1.09380	-.31650	-2.50420
1.510	7.180	.30440	.19480	-.01020	1.55240	-.28100	-.31500	-1.51380	1.13440	-.37940	-2.64830
1.510	7.800	.32980	.20080	-.01540	1.64200	-.28360	-.31210	-1.57380	1.23370	-.34010	-2.80750
1.510	8.410	.35960	.20780	-.01950	1.73020	-.28470	-.31150	-1.71710	1.20410	-.51290	-2.92130
1.510	9.050	.38770	.21560	-.02420	1.79800	-.28720	-.30840	-1.72390	1.25200	-.46580	-2.98190
1.510	9.680	.41390	.22370	-.02740	1.85020	-.29050	-.30920	-1.80040	1.29530	-.50500	-3.09570
1.510	10.320	.44070	.23230	-.03120	1.89650	-.29390	-.31270	-1.83500	1.29850	-.53640	-3.13360
1.510	10.940	.46660	.24140	-.03380	1.93250	-.29560	-.31690	-1.88880	1.31300	-.57570	-3.20190
1.510	11.570	.49140	.25110	-.03680	1.95630	-.29750	-.31760	-1.97760	1.30760	-.66990	-3.28530
1.510	12.220	.51970	.26210	-.03950	1.98260	-.29910	-.31970	-1.97020	1.29230	-.67780	-3.26250
1.510	12.870	.54430	.27300	-.04280	1.99380	-.29960	-.32080	-2.05100	1.30250	-.74850	-3.35360
1.510	13.510	.57140	.28450	-.04490	2.00830	-.30000	-.32450	-2.07130	1.24430	-.82700	-3.31560
1.510	14.150	.59840	.29740	-.04830	2.01180	-.30170	-.32490	-2.13650	1.27010	-.86630	-3.40660
1.510	14.800	.62380	.31030	-.04920	2.00970	-.30340	-.32790	-2.12530	1.24330	-.88200	-3.36870
1.510	15.440	.64960	.32380	-.05110	2.00580	-.30400	-.33560	-2.14840	1.25060	-.89770	-3.39910
1.510	16.100	.67610	.33880	-.05290	1.99510	-.30680	-.34220	-2.15320	1.19270	-.96050	-3.34600
1.510	16.750	.70010	.35380	-.05470	1.97890	-.30870	-.35110	-2.23750	1.22980	-1.00760	-3.46730
1.510	17.390	.72790	.37120	-.05710	1.96110	-.31000	-.35590	-2.23830	1.18350	-1.05470	-3.42180
1.510	18.000	.74760	.38520	-.05790	1.94060	-.31380	-.36360	-2.21040	1.23410	-.97620	-3.44460
1.510	18.640	.77470	.40360	-.05980	1.91900	-.31500	-.36570	-2.24530	1.22190	-1.02330	-3.46730
1.510	19.270	.79800	.42080	-.06180	1.89660	-.31520	-.36770	-2.22540	1.25700	-.96830	-3.48250
1.510	19.860	.82150	.43780	-.06310	1.87620	-.31440	-.36640	-2.27240	1.21760	-1.05470	-3.49010
1.510	20.370	.83950	.45180	-.06430	1.85810	-.31410	-.36630	-2.26470	1.21770	-1.04690	-3.48250
1.510	20.840	.85750	.46600	-.06540	1.83990	-.31420	-.36490	-2.24830	1.27200	-.97620	-3.52040
1.510	21.200	.86860	.47600	-.06600	1.82460	-.31320	-.36750	-2.27160	1.26390	-1.00760	-3.53560
1.510	21.430	.87580	.48210	-.06590	1.81650	-.31280	-.37010	-2.27230	1.22530	-1.04690	-3.49760
1.510	21.660	.88740	.49110	-.06730	1.80680	-.31760	-.36760	-2.21820	1.22630	-.99190	-3.44460

LA67 (LTV 552) ORBITER 49-0

(SF0050)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 89/ 0 RN/L = 10.64

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	.240	-.05440	.11310	-.00050	-.48090	-.08250	-.11330	.13300	1.55280	1.68590	-1.41970
2.990	.710	-.03240	.11060	-.00160	-.29290	-.08110	-.11450	.14470	1.55680	1.70160	-1.41210
2.990	1.620	-.01030	.10960	-.00230	-.09420	-.08330	-.11510	.12140	1.54870	1.67020	-1.42730
2.990	2.430	.00790	.10940	-.00300	.07220	-.08360	-.11580	.05920	1.52450	1.58380	-1.46520
2.990	3.210	.02650	.10970	-.00310	.24170	-.08550	-.11730	-.09220	1.46400	1.37170	-1.55620
2.990	4.030	.04590	.11010	-.00350	.41730	-.08880	-.11760	-.26560	1.47250	1.20680	-1.73820
2.990	4.840	.06680	.11090	-.00360	.60260	-.09150	-.11890	-.39220	1.51270	1.12050	-1.90500
2.990	5.640	.08680	.11240	-.00480	.77220	-.09350	-.11960	-.58260	1.43610	.85350	-2.01880
2.990	6.460	.10980	.11490	-.00480	.95540	-.09510	-.12050	-.76330	1.47540	.71210	-2.23870
2.990	7.270	.13200	.11830	-.00620	1.11520	-.09730	-.12040	-.82840	1.50130	.67280	-2.32970
2.990	8.090	.15540	.12280	-.00600	1.26490	-.09830	-.12100	-.91680	1.51900	.60220	-2.43590
2.990	8.900	.17900	.12780	-.00600	1.40020	-.09920	-.12230	-.94240	1.59960	.65710	-2.54210
2.990	9.730	.20240	.13380	-.00670	1.51240	-.10120	-.12230	-.94570	1.63430	.68850	-2.58000
2.990	10.540	.22590	.14030	-.00750	1.61040	-.10180	-.12320	-1.05770	1.62850	.57070	-2.68520
2.990	11.370	.24910	.14800	-.00880	1.69290	-.10180	-.12390	-1.13070	1.64650	.51580	-2.77720
2.990	12.170	.27260	.15600	-.00980	1.74720	-.10440	-.12420	-1.16880	1.66900	.50010	-2.83790
2.990	12.980	.29560	.16470	-.01160	1.79450	-.10610	-.12450	-1.17670	1.66110	.48440	-2.83790
2.990	13.810	.32120	.17490	-.01290	1.83660	-.10760	-.12480	-1.24550	1.69850	.45290	-2.94400
2.990	14.630	.34380	.18520	-.01390	1.85570	-.10810	-.12510	-1.27620	1.70570	.42940	-2.98190
2.990	15.450	.36810	.19620	-.01470	1.87540	-.10960	-.12480	-1.33490	1.66220	.32730	-2.99710
2.990	16.260	.39230	.20850	-.01620	1.88150	-.11040	-.12470	-1.41610	1.64920	.23310	-3.06540
2.990	17.090	.41770	.22180	-.01730	1.88330	-.11270	-.12520	-1.48140	1.66740	.18590	-3.14880
2.990	17.910	.44290	.23590	-.01800	1.87760	-.11440	-.12600	-1.52360	1.67820	.15450	-3.20190
2.990	18.760	.46730	.25060	-.01800	1.86450	-.11530	-.12640	-1.54730	1.64690	.09960	-3.19430
2.990	19.560	.49270	.26590	-.01920	1.85260	-.11530	-.12610	-1.64400	1.63370	-.01030	-3.27770
2.990	20.400	.51610	.28140	-.02110	1.83410	-.11700	-.12650	-1.67830	1.66010	-.01810	-3.33840
2.990	21.210	.54210	.29890	-.02360	1.81340	-.11650	-.12600	-1.75980	1.63160	-.12810	-3.39150
2.990	22.030	.56870	.31760	-.02540	1.79050	-.11750	-.12670	-1.76710	1.65470	-.11240	-3.42180
2.990	22.870	.59230	.33660	-.02710	1.75970	-.11740	-.12580	-1.84450	1.63790	-.20660	-3.48250
2.990	23.680	.61830	.35720	-.02910	1.73070	-.11780	-.12550	-1.89060	1.65250	-.23800	-3.54310
2.990	24.490	.64390	.37880	-.03020	1.69970	-.11790	-.12620	-1.95940	1.68990	-.26940	-3.64930
2.990	25.330	.66920	.40160	-.03190	1.66620	-.11760	-.12560	-1.95530	1.70150	-.25370	-3.65690
2.990	26.140	.69490	.42520	-.03410	1.63410	-.11780	-.12550	-2.01350	1.68120	-.33230	-3.69480
2.990	26.960	.71950	.44930	-.03500	1.60130	-.11940	-.12610	-2.07560	1.66470	-.41080	-3.74030
2.990	27.770	.74410	.47410	-.03640	1.56960	-.11980	-.12670	-2.13720	1.67140	-.46580	-3.80860
2.990	28.590	.76840	.50060	-.03700	1.53500	-.11860	-.12650	-2.17900	1.70540	-.47360	-3.88440
2.990	29.410	.79170	.52710	-.04000	1.50190	-.11880	-.12640	-2.21790	1.68920	-.52860	-3.90720
2.990	30.220	.81460	.55430	-.04190	1.46960	-.11840	-.12610	-2.27950	1.69590	-.58360	-3.97540
2.990	31.020	.83730	.58220	-.04480	1.43810	-.11760	-.12550	-2.31810	1.69520	-.62280	-4.01330
2.990	31.820	.85960	.61090	-.04750	1.40680	-.11720	-.12500	-2.39920	1.68990	-.70920	-4.08920
2.990	32.620	.88100	.64020	-.05100	1.37600	-.11760	-.12500	-2.47280	1.66940	-.80340	-4.14230
2.990	33.400	.90220	.67070	-.05340	1.34500	-.11870	-.12570	-2.54270	1.64500	-.89770	-4.18780

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 385

LA67 (LTV 552) ORBITER 49-0

(SFD050)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 89/ 0 RN/L = 10.64

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	34.140	.92180	.70060	-.05530	1.31570	-.11740	-.12500	-2.61570	1.66300	-.95260	-4.27880
2.990	34.780	.93780	.72660	-.05730	1.29060	-.11710	-.12450	-2.65850	1.64300	-1.01550	-4.30150
2.990	35.060	.94360	.73720	-.05820	1.28000	-.11810	-.12540	-2.72120	1.58790	-1.13330	-4.30910

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(SF0550)

PARAMETRIC DATA

ELEVON	=	.000	AILRON	=	2.000
SPOBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	ALFSWP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1089/ 0 RN/L = 10.62

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	-.100	-.05360	.11260	.00060	-.47600	-.08560	-.12400	1.13980	1.34150	.20160	-2.48140
2.990	.160	-.04810	.11180	.00040	-.43020	-.09740	-.12520	1.23180	1.37850	.14670	-2.61030
2.990	.780	-.03170	.11040	-.00070	-.28780	-.09050	-.12440	1.37800	1.39910	.02100	-2.77720
2.990	1.790	-.00760	.10940	-.00090	-.06980	-.09320	-.12580	1.57700	1.49590	-.08100	-3.07300
2.990	2.910	.01730	.10880	-.00130	.15950	-.09610	-.12500	1.71470	1.56300	-.15160	-3.27770
2.990	4.080	.04640	.10940	-.00180	.42470	-.09870	-.12600	1.76450	1.58140	-.18310	-3.34600
2.990	5.240	.07770	.11130	-.00310	.69810	-.10220	-.12530	1.88750	1.61010	-.27730	-3.49760
2.990	6.420	.10830	.11420	-.00450	.94840	-.10420	-.12550	1.93770	1.60540	-.33230	-3.54310
2.990	7.640	.14200	.11980	-.00460	1.18490	-.10710	-.12650	1.96860	1.60490	-.36370	-3.57350
2.990	8.880	.17720	.12710	-.00510	1.39400	-.10890	-.12680	2.01040	1.63880	-.37150	-3.64930
2.990	10.110	.21460	.13680	-.00600	1.56800	-.11110	-.12560	2.08020	1.62220	-.45790	-3.70240
2.990	11.380	.25110	.14780	-.00800	1.69870	-.11290	-.12630	2.14120	1.65970	-.48150	-3.80100
2.990	12.640	.28700	.16070	-.00980	1.78600	-.11530	-.12580	2.18820	1.62030	-.56780	-3.80860
2.990	13.930	.32470	.17610	-.01170	1.84420	-.11660	-.12690	2.21440	1.67000	-.54430	-3.88140
2.990	15.240	.36310	.19350	-.01360	1.87680	-.11790	-.12680	2.31560	1.61420	-.70130	-3.92990
2.990	16.530	.40070	.21210	-.01580	1.88900	-.11750	-.12640	2.29610	1.62620	-.66990	-3.92230
2.990	17.840	.44160	.23430	-.01680	1.88430	-.11890	-.12590	2.36910	1.64420	-.72490	-4.01330
2.990	19.160	.48120	.25790	-.01810	1.86520	-.11870	-.12600	2.38960	1.57820	-.81130	-3.96780
2.990	20.470	.52130	.28330	-.02140	1.83970	-.11740	-.12590	2.47870	1.55740	-.92120	-4.03610
2.990	21.790	.56110	.31130	-.02460	1.80200	-.11890	-.12560	2.47830	1.58050	-.89770	-4.05880
2.990	23.120	.60410	.34370	-.02700	1.75750	-.11830	-.12560	2.50480	1.60710	-.89770	-4.11190
2.990	24.470	.64550	.37830	-.03070	1.70620	-.11870	-.12490	2.54760	1.58700	-.96050	-4.13470
2.990	25.820	.68740	.41610	-.03360	1.65170	-.11700	-.12490	2.55100	1.61400	-.93690	-4.16500
2.990	27.190	.73050	.45760	-.03570	1.59630	-.11680	-.12430	2.58960	1.61330	-.97620	-4.20290
2.990	28.550	.77080	.50040	-.03810	1.54030	-.11640	-.12410	2.60910	1.60140	-1.00760	-4.21050
2.990	29.940	.81010	.54610	-.04240	1.48340	-.11730	-.12460	2.62080	1.58960	-1.03120	-4.21050
2.990	31.290	.84980	.59430	-.04730	1.42990	-.11820	-.12490	2.66720	1.58880	-1.07830	-4.25600
2.990	32.650	.88750	.64530	-.05210	1.37520	-.11650	-.12430	2.69410	1.59220	-1.10180	-4.28640
2.990	33.820	.91750	.69030	-.05630	1.32910	-.11720	-.12450	2.70240	1.56120	-1.14110	-4.26360
2.990	35.030	.94320	.73560	-.05910	1.28210	-.11760	-.12500	2.73620	1.61080	-1.12540	-4.34700

LA67 (LTV 552) ORBITER 49-0

(SFD051)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSMP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 82/ 0 RN/L = 15.16

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	- .160	-.06340	.09480	-.00850	-.66960	-.02240	-.03470	-.24400	1.60790	1.36390	-1.85200
4.591	.840	-.04140	.08980	-.00760	-.46150	-.02340	-.03200	-.27860	1.61120	1.33250	-1.88990
4.591	1.720	-.02560	.08760	-.00830	-.29230	-.02360	-.03460	-.27860	1.61120	1.33250	-1.88990
4.591	2.510	-.01140	.08620	-.00820	-.13290	-.02500	-.03380	-.26670	1.63070	1.36390	-1.89750
4.591	3.300	.00340	.08580	-.00840	.03990	-.02630	-.03300	-.26690	1.62300	1.35600	-1.88990
4.591	4.120	.02140	.08560	-.00750	.25010	-.02460	-.03520	-.31700	1.62590	1.30890	-1.94300
4.591	4.920	.03740	.08590	-.00800	.43510	-.02600	-.03440	-.35180	1.62150	1.26960	-1.97330
4.591	5.720	.05540	.08610	-.00900	.64290	-.02760	-.03580	-.40970	1.61660	1.20680	-2.02640
4.591	6.520	.07360	.08770	-.00870	.83940	-.02790	-.03590	-.53880	1.51790	.97910	-2.05670
4.591	7.330	.09130	.09070	-.00830	1.00710	-.02950	-.03550	-.62830	1.47390	.84560	-2.10220
4.591	8.140	.10960	.09420	-.00810	1.16380	-.03130	-.03470	-.66710	1.45780	.79060	-2.12500
4.591	8.960	.12620	.09770	-.00820	1.29140	-.03250	-.03390	-.69040	1.44970	.75920	-2.14010
4.591	9.760	.14500	.10220	-.00800	1.41920	-.03280	-.03520	-.72550	1.42980	.70420	-2.15530
4.591	10.580	.16550	.10760	-.00760	1.53690	-.03260	-.03600	-.77210	1.41350	.64140	-2.18560
4.591	11.400	.18620	.11410	-.00760	1.63120	-.03380	-.03390	-.88310	1.46180	.57860	-2.34490
4.591	12.200	.20690	.12080	-.00740	1.71260	-.03400	-.03600	-.91340	1.49210	.57860	-2.40560
4.591	13.030	.22960	.12870	-.00750	1.78310	-.03370	-.03510	-.93650	1.49940	.56290	-2.43590
4.591	13.840	.25000	.13670	-.00840	1.82810	-.03550	-.03380	-.90830	1.56550	.65710	-2.47380
4.591	14.650	.27100	.14540	-.00880	1.86340	-.03400	-.03720	-.93500	1.58430	.64930	-2.51930
4.591	15.460	.29320	.15540	-.00970	1.88620	-.03470	-.03630	-1.00800	1.60230	.59430	-2.61030
4.591	16.290	.31560	.16600	-.01040	1.90070	-.03450	-.03710	-1.03070	1.62510	.59430	-2.65580
4.591	17.120	.33950	.17820	-.01030	1.90520	-.03520	-.03630	-1.04590	1.64020	.59430	-2.68620
4.591	17.950	.36260	.19060	-.01010	1.90210	-.03690	-.03460	-1.04170	1.65960	.61790	-2.70130
4.591	18.770	.38640	.20430	-.01040	1.89080	-.03570	-.03710	-1.10790	1.62370	.51580	-2.73170
4.591	19.600	.40930	.21850	-.01100	1.87340	-.03590	-.03710	-1.13880	1.62320	.48440	-2.76200
4.591	20.420	.43330	.23390	-.01110	1.85260	-.03640	-.03750	-1.17760	1.60710	.42940	-2.78480
4.591	21.250	.45750	.25040	-.01100	1.82680	-.03620	-.03800	-1.22390	1.60630	.38230	-2.83030
4.591	22.090	.48160	.26810	-.01160	1.79600	-.03690	-.03500	-1.25470	1.61350	.35870	-2.86820
4.591	22.910	.50560	.28630	-.01160	1.76580	-.03590	-.03840	-1.28560	1.61290	.32730	-2.89850
4.591	23.720	.52950	.30530	-.01300	1.73390	-.03640	-.03840	-1.35480	1.62710	.27230	-2.98190
4.591	24.560	.55340	.32530	-.01340	1.70130	-.03760	-.03630	-1.35900	1.60780	.24880	-2.96680
4.591	25.380	.57740	.34640	-.01420	1.66680	-.03790	-.03620	-1.37070	1.59600	.22520	-2.96680
4.591	26.190	.60210	.36890	-.01560	1.63210	-.03790	-.03580	-1.46310	1.60980	.14670	-3.07300
4.591	27.000	.62520	.39100	-.01690	1.59870	-.03670	-.03840	-1.48660	1.58630	.09960	-3.07300
4.591	27.820	.65030	.41580	-.01840	1.56370	-.03820	-.03630	-1.54810	1.60060	.05240	-3.14880
4.591	28.640	.67530	.44120	-.01950	1.53060	-.03790	-.03620	-1.59880	1.57270	-.02600	-3.17150
4.591	29.460	.69730	.46610	-.02070	1.49600	-.03790	-.03710	-1.61430	1.56470	-.04950	-3.17910
4.591	30.240	.72050	.49230	-.02260	1.46350	-.03710	-.03710	-1.67200	1.57530	-.09670	-3.24740
4.591	31.040	.74120	.51830	-.02420	1.42990	-.03850	-.03630	-1.69520	1.57490	-.12020	-3.27010
4.591	31.830	.76470	.54710	-.02600	1.39770	-.03690	-.03880	-1.78400	1.56950	-.21450	-3.35360
4.591	32.640	.78550	.57540	-.02740	1.36520	-.03910	-.03620	-1.78810	1.55790	-.23020	-3.34600
4.591	33.410	.80590	.60400	-.02910	1.33420	-.03890	-.03620	-1.83420	1.56480	-.26940	-3.39910

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD051)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 82/ 0 RN/L = 15.16

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	34.140	.82590	.63270	-.03130	1.30520	-.03790	-.03840	-1.89980	1.56750	-.33230	-3.46730
4.591	34.660	.83870	.65290	-.03310	1.28460	-.03840	-.03750	-1.92700	1.55540	-.37150	-3.48250

ERROR THERE IS NO AERO DATASET NAMED SFD051

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 369

LA67 (LTV 552) ORBITER 49-0

(SF0052)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 114/ 0 RN/L = 8.08

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	.320	.00760	.17140	.02790	.04430	-.24830	-.32470	4.72990	1.22010	5.95000	3.50970
1.510	.150	.01510	.17090	.02300	.08830	-.24720	-.32240	4.71060	1.22370	5.93430	3.48690
1.510	.830	.04580	.17040	.01700	.26920	-.24510	-.32310	4.65430	1.31140	5.96570	3.34280
1.510	1.410	.07090	.17060	.01260	.41600	-.24650	-.32160	4.53870	1.31710	5.85580	3.22150
1.510	1.980	.09690	.17120	.00720	.56610	-.24830	-.32130	4.45080	1.36570	5.81650	3.08500
1.510	2.490	.12000	.17290	.00340	.69400	-.25100	-.32020	4.37320	1.34120	5.71450	3.03190
1.510	3.020	.14370	.17390	-.00080	.82620	-.25330	-.31880	4.38470	1.33760	5.72230	3.04710
1.510	3.530	.16710	.17660	-.00510	.94610	-.25580	-.31890	4.28810	1.33200	5.62020	2.95610
1.510	4.060	.19080	.17920	-.00870	1.06440	-.25910	-.31750	4.26780	1.27380	5.54170	2.99400
1.510	4.600	.21500	.18200	-.01320	1.18120	-.26250	-.31760	4.21000	1.27670	5.48670	2.93330
1.510	5.110	.23940	.18600	-.01760	1.28210	-.26470	-.31810	4.14520	1.31800	5.46320	2.82710
1.510	5.640	.26040	.18940	-.02220	1.37500	-.27140	-.32410	4.07880	1.27440	5.35320	2.80440
1.510	6.180	.28560	.19380	-.02640	1.47390	-.27280	-.32520	4.03570	1.23890	5.27470	2.79680
1.510	6.700	.30850	.19770	-.03030	1.56030	-.27090	-.32410	4.02070	1.26180	5.28250	2.75390
1.510	7.230	.33140	.20190	-.03360	1.64160	-.27010	-.32110	3.96320	1.28010	5.24330	2.68300
1.510	7.730	.35570	.20730	-.03800	1.71550	-.26400	-.31230	3.89750	1.27510	5.17260	2.62240
1.510	8.280	.37640	.21270	-.04060	1.78940	-.26660	-.31510	3.78200	1.28850	5.07050	2.49350
1.510	8.790	.39930	.21990	-.04410	1.81560	-.27210	-.32140	3.75560	1.32270	5.07840	2.43280
1.510	9.310	.42230	.22740	-.04810	1.85720	-.27600	-.32610	3.67450	1.31750	4.99200	2.35690
1.510	9.840	.44810	.23580	-.05250	1.89990	-.27360	-.32460	3.60510	1.32400	4.92920	2.28110
1.510	10.370	.46750	.24200	-.05450	1.93140	-.27750	-.32710	3.55150	1.34620	4.89770	2.20530
1.510	10.890	.48890	.25000	-.05650	1.95540	-.27880	-.32550	3.42000	1.32850	4.74850	2.09150
1.510	11.430	.51110	.25820	-.05850	1.97900	-.28090	-.32550	3.38600	1.37030	4.75640	2.01570
1.510	11.940	.53170	.26630	-.06080	1.99610	-.28170	-.32320	3.34340	1.35800	4.70140	1.98530
1.510	12.470	.55480	.27570	-.06260	2.01210	-.27990	-.32170	3.28930	1.31430	4.58360	1.95500
1.510	12.990	.57350	.28390	-.06520	2.02020	-.28230	-.32420	3.29750	1.38030	4.67790	1.91710
1.510	13.530	.59800	.29530	-.06730	2.02500	-.28200	-.32180	3.23150	1.35990	4.59150	1.87160
1.510	14.050	.61800	.30550	-.06940	2.02290	-.28230	-.32280	3.16220	1.36640	4.52870	1.79570
1.510	14.570	.64130	.31680	-.07200	2.02400	-.28390	-.32300	3.13090	1.34270	4.47370	1.78820
1.510	15.080	.65720	.32600	-.07340	2.01580	-.28680	-.32750	3.07700	1.34950	4.42660	1.72750
1.510	15.600	.67930	.33870	-.07570	2.00540	-.28670	-.32690	3.04120	1.28330	4.32450	1.75780
1.510	16.130	.70030	.35090	-.07710	1.99550	-.28990	-.32730	2.99930	1.31730	4.31660	1.68200
1.510	16.640	.71900	.36240	-.07760	1.98360	-.28870	-.33160	2.95990	1.27030	4.23020	1.68960
1.510	17.150	.73920	.37540	-.07930	1.96890	-.29120	-.33820	2.93320	1.28910	4.22240	1.64410
1.510	17.670	.75760	.38830	-.08100	1.95110	-.29850	-.34490	2.89450	1.28070	4.17530	1.61370
1.510	18.180	.78100	.40440	-.08220	1.93090	-.29950	-.35140	2.82120	1.28330	4.10460	1.53790
1.510	18.690	.79730	.41710	-.08320	1.91130	-.30450	-.35620	2.80960	1.27920	4.08890	1.53030
1.510	19.210	.81840	.43240	-.08490	1.89240	-.30510	-.35810	2.71750	1.30850	4.02610	1.40900
1.510	19.710	.83600	.44570	-.08580	1.87540	-.30740	-.35880	2.72890	1.29710	4.02610	1.43170
1.510	20.200	.85360	.45940	-.08700	1.85800	-.30830	-.35890	2.62730	1.22590	3.85330	1.40140
1.510	20.700	.87120	.47380	-.08770	1.83890	-.30890	-.35940	2.58540	1.25220	3.83760	1.33310
1.510	21.170	.88840	.48800	-.08820	1.82040	-.30860	-.35780	2.57360	1.24040	3.81400	1.33310

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 370

LA67 (LTV 552) ORBITER 49-0

(SFD052)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 114/ 0 RN/L = 8.08

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	21.520	.90090	.49830	-.08940	1.80800	-.30880	-.35940	2.50370	1.21600	3.71980	1.28760

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 371

LA67 (LTV 552) ORBITER 49-0

(SFD052)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.600
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 101/ 0 RN/L = 8.23

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	-.480	-.03670	.14890	.01410	-.24670	-.18570	-.21260	4.41610	1.14910	5.56520	3.26700
2.010	.020	-.01960	.14760	.01250	-.13330	-.18540	-.21260	4.36640	1.17520	5.54170	3.19120
2.010	.720	.00610	.14640	.00790	.04180	-.18600	-.21300	4.35480	1.17110	5.52600	3.18360
2.010	1.310	.02870	.14610	.00520	.19650	-.18520	-.21490	4.29620	1.12770	5.42390	3.16840
2.010	1.900	.04800	.14690	.00290	.32670	-.18670	-.21450	4.26930	1.13880	5.40820	3.13050
2.010	2.430	.06620	.14780	.00040	.44780	-.18770	-.21510	4.18090	1.15650	5.33750	3.02430
2.010	2.940	.08330	.14860	-.00230	.56060	-.18810	-.21640	4.13770	1.11340	5.25110	3.02430
2.010	3.460	.10140	.14980	-.00430	.67690	-.18890	-.21620	4.06120	1.15060	5.21190	2.91060
2.010	3.970	.11790	.15080	-.00740	.78200	-.19070	-.21750	4.06890	1.15070	5.21970	2.91810
2.010	4.490	.13610	.15230	-.00960	.89400	-.18960	-.21870	3.96400	1.10650	5.07050	2.85750
2.010	5.020	.15390	.15460	-.01140	.99550	-.19090	-.21780	3.89930	1.15550	5.05480	2.74370
2.010	5.530	.17070	.15680	-.01410	1.08820	-.19130	-.21930	3.86450	1.15100	5.01550	2.71340
2.010	6.060	.18810	.15990	-.01680	1.17620	-.19320	-.22030	3.82640	1.18120	5.00770	2.64510
2.010	6.560	.20500	.16330	-.01900	1.25570	-.19570	-.22040	3.81570	1.23120	5.04700	2.58450
2.010	7.110	.22350	.16730	-.02030	1.33550	-.19750	-.22170	3.75030	1.24160	4.99200	2.50860
2.010	7.630	.24000	.17100	-.02230	1.40330	-.19810	-.22430	3.65370	1.23610	4.88990	2.41760
2.010	8.160	.25780	.17560	-.02320	1.45780	-.20130	-.22430	3.61640	1.30490	4.92130	2.31140
2.010	8.680	.27540	.17970	-.02500	1.53220	-.20130	-.22710	3.55370	1.24980	4.80350	2.30390
2.010	9.210	.29190	.18450	-.02590	1.58220	-.20390	-.22670	3.52370	1.30330	4.82710	2.22040
2.010	9.740	.31150	.18970	-.02760	1.64210	-.20380	-.22800	3.45350	1.25570	4.70930	2.19770
2.010	10.280	.32940	.19520	-.02830	1.68710	-.20500	-.22870	3.38850	1.28930	4.67790	2.09910
2.010	10.790	.34680	.20090	-.02890	1.72640	-.20730	-.23010	3.38180	1.35090	4.73280	2.03080
2.010	11.330	.36720	.20770	-.03040	1.76800	-.20940	-.23200	3.32710	1.31140	4.63860	2.01570
2.010	11.850	.38550	.21420	-.03120	1.79990	-.21160	-.23390	3.31930	1.30360	4.62290	2.01570
2.010	12.370	.40500	.22140	-.03190	1.82920	-.21250	-.23640	3.23020	1.28270	4.51290	1.94740
2.010	12.910	.42230	.22820	-.03200	1.85060	-.21450	-.23800	3.19610	1.31680	4.51290	1.87920
2.010	13.420	.44050	.23510	-.03280	1.87320	-.21390	-.24080	3.16840	1.28160	4.45010	1.88670
2.010	13.940	.45920	.24340	-.03410	1.88650	-.21520	-.24080	3.13460	1.33120	4.46580	1.80330
2.010	14.470	.47720	.25160	-.03540	1.89630	-.21520	-.24150	3.10710	1.30370	4.41090	1.80330
2.010	15.000	.49550	.26030	-.03520	1.90380	-.21420	-.24230	3.04890	1.28340	4.33230	1.76540
2.010	15.510	.51260	.26890	-.03630	1.90620	-.21580	-.24150	3.03340	1.28310	4.31660	1.75020
2.010	16.040	.53070	.27850	-.03750	1.90540	-.21510	-.24120	2.99090	1.27850	4.26950	1.71230
2.010	16.570	.54830	.28850	-.03880	1.90060	-.21410	-.24120	2.89440	1.27300	4.16740	1.62130
2.010	17.080	.56720	.29900	-.03930	1.89690	-.21390	-.24220	2.87830	1.23410	4.11240	1.64410
2.010	17.600	.58430	.30950	-.04060	1.88790	-.21640	-.24160	2.85920	1.24540	4.10460	1.61370
2.010	18.130	.60280	.32100	-.04260	1.87770	-.21640	-.24040	2.77030	1.24000	4.01030	1.53030
2.010	18.640	.61990	.33220	-.04400	1.85610	-.21750	-.23920	2.72770	1.22770	3.95540	1.50000
2.010	19.140	.63620	.34330	-.04480	1.85300	-.21750	-.23990	2.67320	1.20360	3.87680	1.46960
2.010	19.650	.65540	.35600	-.04670	1.84070	-.21710	-.24060	2.62190	1.13710	3.75910	1.48480
2.010	20.170	.67230	.36860	-.04850	1.82370	-.21960	-.24010	2.54140	1.16270	3.70410	1.37860
2.010	20.660	.68590	.37930	-.04930	1.80820	-.22170	-.24140	2.50660	1.15820	3.66480	1.34830
2.010	21.150	.70410	.39260	-.05130	1.79330	-.22170	-.24280	2.46030	1.15740	3.61770	1.30280

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 372

LA67 (LTV 552) ORBITER 49-0

(SFD052)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP05 =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUO0ER =	.000

RUN NO. 101 / 0 RN/L = 8.23

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CP6	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	21.640	.72000	.40550	-.05280	1.77530	-.22410	-.24350	2.42080	1.11040	3.53130	1.31040
2.010	22.080	.73490	.41730	-.05440	1.76090	-.22480	-.24620	2.44060	1.13780	3.57840	1.30280
2.010	22.410	.74770	.42720	-.05520	1.74990	-.22510	-.24870	2.39810	1.13320	3.53130	1.26490

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TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 373

LA67 (LTV 552) ORBITER 49-0

(SFD552)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	2.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	ALFSLAP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1114/ 0 RN/L = 8.03

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.250	-.00630	.17010	.02960	-.03750	-.24690	-.32160	4.06610	1.20860	5.27470	2.85750
1.510	-.040	.00300	.17050	.02700	.01770	-.24640	-.31950	4.02780	1.22330	5.25110	2.80440
1.510	.300	.01890	.16970	.02390	.11140	-.24660	-.31930	3.95920	1.27610	5.23540	2.68300
1.510	.730	.03920	.16870	.02020	.23220	-.24900	-.31850	3.83220	1.29320	5.12550	2.53900
1.510	1.260	.06190	.16940	.01650	.36560	-.25180	-.31610	3.70170	1.32950	5.03120	2.37210
1.510	1.820	.08900	.17000	.01160	.52360	-.25410	-.31520	3.59700	1.30070	4.89770	2.29630
1.510	2.390	.11410	.17020	.00670	.67010	-.25650	-.31490	3.50860	1.31840	4.82710	2.19010
1.510	2.970	.13970	.17200	.00220	.81200	-.25880	-.31350	3.38090	1.29690	4.67790	2.08390
1.510	3.560	.16740	.17490	-.00250	.95730	-.26090	-.31350	3.36250	1.34670	4.70930	2.01570
1.510	4.170	.19320	.17790	-.00700	1.08560	-.26200	-.31440	3.28140	1.34150	4.62290	1.93980
1.510	4.760	.21840	.18100	-.01170	1.20670	-.26450	-.31490	3.23170	1.36760	4.59930	1.86400
1.510	5.340	.24590	.18470	-.01720	1.33120	-.26820	-.31440	3.16110	1.30470	4.46580	1.85640
1.510	5.950	.27380	.19010	-.02120	1.44000	-.26730	-.31660	3.09180	1.31120	4.40300	1.78060
1.510	6.540	.30020	.19500	-.02670	1.53910	-.27070	-.31760	3.05790	1.36070	4.41870	1.69720
1.510	7.160	.32810	.20050	-.03190	1.63570	-.27290	-.31840	3.03000	1.31010	4.34020	1.71990
1.510	7.770	.35490	.20740	-.03570	1.71150	-.27590	-.31760	2.96900	1.34760	4.31660	1.62130
1.510	8.390	.38470	.21520	-.04010	1.78760	-.27680	-.31770	2.93340	1.29680	4.23020	1.63650
1.510	9.030	.41090	.22280	-.04370	1.84370	-.27790	-.32040	2.87200	1.31890	4.19100	1.55310
1.510	9.650	.43830	.23130	-.04850	1.89460	-.28050	-.32240	2.85580	1.27230	4.12810	1.58340
1.510	10.280	.46540	.24060	-.05230	1.93430	-.28170	-.32600	2.79000	1.25960	4.04960	1.53030
1.510	10.920	.49040	.24940	-.05510	1.96590	-.28510	-.32870	2.73550	1.23550	3.97110	1.50000
1.510	11.550	.51590	.25940	-.05710	1.98830	-.28620	-.32800	2.69720	1.25030	3.94750	1.44690
1.510	12.200	.54430	.27050	-.06000	2.01200	-.28550	-.32490	2.69290	1.22320	3.91610	1.46960
1.510	12.840	.57080	.28140	-.06270	2.02780	-.28630	-.32390	2.65820	1.22640	3.88470	1.43170
1.510	13.490	.59770	.29390	-.06610	2.03350	-.28560	-.32490	2.60490	1.26410	3.86900	1.34070
1.510	14.140	.62370	.30680	-.06850	2.03280	-.28460	-.32650	2.57670	1.19800	3.77480	1.37860
1.510	14.780	.64750	.31930	-.07090	2.02790	-.28810	-.32890	2.53460	1.21660	3.75120	1.31800
1.510	15.440	.67380	.33450	-.07390	2.01380	-.28840	-.33300	2.53110	1.23580	3.76690	1.29520
1.510	16.100	.69900	.34940	-.07590	2.00050	-.28140	-.33790	2.48380	1.18100	3.66480	1.30280
1.510	16.730	.72380	.36450	-.07660	1.98560	-.29540	-.34550	2.53050	1.20490	3.73550	1.32550
1.510	17.370	.74950	.38180	-.08010	1.96310	-.29820	-.35210	2.48410	1.19640	3.68050	1.28760
1.510	18.000	.77260	.39820	-.08130	1.94000	-.30320	-.35690	2.45330	1.20360	3.65700	1.24970
1.510	18.640	.79830	.41630	-.08360	1.91760	-.30480	-.35900	2.43790	1.20330	3.64130	1.23450
1.510	19.270	.82380	.43480	-.08460	1.89470	-.30640	-.35970	2.46440	1.17680	3.64130	1.28760
1.510	19.860	.84380	.45100	-.08610	1.87080	-.30700	-.35940	2.44130	1.17640	3.61770	1.26490
1.510	20.370	.86140	.46460	-.08650	1.85400	-.31040	-.35960	2.45350	1.21130	3.66480	1.24210
1.510	20.820	.87770	.47790	-.08800	1.83670	-.30870	-.35930	2.40300	1.19110	3.59410	1.21180
1.510	21.190	.89160	.48980	-.08880	1.82010	-.30770	-.35980	2.43340	1.16850	3.60200	1.26490
1.510	21.410	.90080	.49690	-.08970	1.81280	-.31000	-.35980	2.39930	1.20260	3.60200	1.19660
1.510	21.650	.90740	.50270	-.09000	1.80490	-.30650	-.36100	2.44970	1.21510	3.66480	1.23450

LA67 (LTV 552) ORBITER 49-0

(SF0552)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSHP =	2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 1101/ 0 RN/L * 8.27

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	.150	-.02730	.14740	.01500	-.18520	-.18500	-.21140	3.47930	1.19050	4.67000	2.28870
2.010	.120	-.01570	.14670	.01300	-.10720	-.18440	-.21290	3.39800	1.16990	4.56790	2.22800
2.010	.420	-.00610	.14620	.01110	-.04190	-.18570	-.21280	3.35670	1.23480	4.59150	2.12180
2.010	.820	.00890	.14570	.00980	.06110	-.18510	-.21400	3.26400	1.23310	4.49720	2.03080
2.010	1.310	.02700	.14560	.00690	.18540	-.18570	-.21440	3.21760	1.22460	4.44230	1.99290
2.010	1.850	.04560	.14580	.00380	.31300	-.18590	-.21500	3.14070	1.23870	4.37940	1.90190
2.010	2.430	.06510	.14640	.00150	.44470	-.18800	-.21410	3.08340	1.27240	4.35590	1.81090
2.010	2.990	.08540	.14690	-.00070	.58120	-.18920	-.21600	3.05560	1.22950	4.28520	1.82610
2.010	3.590	.10480	.14860	-.00390	.70530	-.19050	-.21520	3.00540	1.22480	4.23020	1.78060
2.010	4.160	.12420	.15010	-.00560	.82740	-.19230	-.21730	2.92060	1.23100	4.15170	1.68960
2.010	4.760	.14400	.15230	-.00920	.94540	-.19310	-.21850	2.87340	1.17620	4.04960	1.69720
2.010	5.330	.16380	.15450	-.01100	1.05990	-.19640	-.22120	2.88540	1.20340	4.08890	1.68200
2.010	5.920	.18270	.15790	-.01350	1.15670	-.19880	-.22280	2.77300	1.17440	3.94750	1.59860
2.010	6.510	.20230	.16170	-.01560	1.25140	-.20080	-.22490	2.75710	1.14330	3.90040	1.61370
2.010	7.100	.22290	.16580	-.01900	1.34450	-.20190	-.22820	2.73810	1.16220	3.90040	1.57580
2.010	7.720	.24380	.17080	-.02030	1.42700	-.20470	-.22900	2.67600	1.13800	3.81400	1.53790
2.010	8.340	.26390	.17590	-.02170	1.50070	-.20670	-.23110	2.68420	1.16900	3.85330	1.51510
2.010	8.950	.28530	.18130	-.02420	1.57340	-.20810	-.23300	2.65690	1.14930	3.80620	1.50760
2.010	9.570	.30650	.18730	-.02480	1.63610	-.20880	-.23560	2.59900	1.15210	3.75120	1.44690
2.010	10.200	.32940	.19390	-.02640	1.69830	-.21230	-.23708	2.62190	1.13710	3.75910	1.48480
2.010	10.840	.35100	.20090	-.02840	1.74680	-.21250	-.23910	2.57930	1.12480	3.70410	1.45450
2.010	11.480	.37380	.20890	-.02920	1.78900	-.21300	-.24010	2.50600	1.12730	3.63340	1.37860
2.010	12.110	.39590	.21670	-.02960	1.82670	-.21570	-.24170	2.53310	1.13170	3.66480	1.40140
2.010	12.740	.41860	.22520	-.03160	1.85820	-.21570	-.24200	2.51370	1.12750	3.64130	1.38620
2.010	13.390	.44170	.23480	-.03240	1.88120	-.21370	-.24250	2.44390	1.10310	3.54700	1.34070
2.010	14.060	.46510	.24500	-.03310	1.89790	-.21390	-.24280	2.45500	1.07630	3.53130	1.37860
2.010	14.700	.48780	.25540	-.03480	1.91010	-.21390	-.24240	2.43170	1.06820	3.49990	1.36350
2.010	15.330	.50680	.26500	-.03580	1.91200	-.21660	-.24190	2.41710	1.11420	3.53130	1.30280
2.010	15.980	.53080	.27740	-.03670	1.91350	-.21720	-.24190	2.43220	1.09900	3.53130	1.33310
2.010	16.640	.55410	.29020	-.03880	1.90890	-.21610	-.24220	2.39740	1.09460	3.49210	1.30280
2.010	17.290	.57680	.30360	-.04040	1.89970	-.21930	-.24110	2.40880	1.08320	3.49210	1.32560
2.010	17.920	.59730	.31640	-.04260	1.88800	-.22050	-.24150	2.37470	1.11730	3.49210	1.25730
2.010	18.550	.62060	.33090	-.04370	1.87510	-.22000	-.24340	2.37850	1.11350	3.49210	1.26490
2.010	19.180	.64110	.34510	-.04610	1.85770	-.22270	-.24400	2.37480	1.12510	3.49990	1.24970
2.010	19.830	.66280	.36050	-.04810	1.83860	-.22440	-.24560	2.37490	1.13280	3.50780	1.24210
2.010	20.450	.68500	.37680	-.04990	1.81800	-.22430	-.24730	2.36370	1.15190	3.51560	1.21180
2.010	21.000	.70310	.39030	-.05150	1.80130	-.22600	-.24910	2.38710	1.16770	3.55490	1.21940
2.010	21.490	.71850	.40280	-.05280	1.78380	-.22850	-.24960	2.37110	1.13660	3.50780	1.23450
2.010	21.910	.73320	.41450	-.05460	1.76890	-.22670	-.25110	2.37110	1.13660	3.50780	1.23450
2.010	22.240	.74420	.42370	-.05480	1.75630	-.22870	-.25060	2.39810	1.13320	3.53130	1.26490
2.010	22.510	.75140	.42980	-.05630	1.74810	-.22860	-.25110	2.41790	1.16050	3.57840	1.25730

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFDG53)

PARAMETRIC DATA

ELEVON	=	5.000	AILRON	=	2.000
SPOBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 90/ 0 RN/L = 10.69

MACH	ALPHA	CL	CO	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	-.110	-.04310	.11470	-.00630	-.37610	-.08640	-.12040	5.12920	2.21860	7.34790	2.91060
2.990	.890	-.01900	.11240	-.00760	-.16980	-.08690	-.12050	5.09020	2.19480	7.28500	2.89540
2.990	1.780	.00270	.11150	-.00880	.02420	-.08740	-.12160	5.08720	2.24490	7.33220	2.84230
2.990	2.570	.02180	.11180	-.00870	.19520	-.08720	-.12090	5.04470	2.24030	7.28500	2.80440
2.990	3.380	.04050	.11200	-.00920	.36160	-.08700	-.12120	5.06380	2.22900	7.29290	2.83470
2.990	4.170	.06160	.11270	-.01030	.54700	-.08860	-.12010	5.01820	2.26680	7.28500	2.81130
2.990	4.990	.08250	.11360	-.01190	.72650	-.09080	-.12000	4.99180	2.30110	7.29290	2.69060
2.990	5.800	.10440	.11600	-.01340	.90010	-.09290	-.12020	5.00760	2.32450	7.33220	2.68300
2.990	6.610	.12740	.11870	-.01420	1.07320	-.09370	-.12020	4.95010	2.34280	7.29290	2.60720
2.990	7.410	.14900	.12240	-.01560	1.21720	-.09650	-.11980	4.90350	2.32660	7.23010	2.57690
2.990	8.230	.17160	.12690	-.01590	1.35130	-.09630	-.12020	4.86430	2.29500	7.15940	2.56930
2.990	9.040	.19570	.13240	-.01710	1.47770	-.09930	-.12000	4.77570	2.29730	7.07300	2.47830
2.990	9.860	.21910	.13890	-.01770	1.57670	-.10020	-.12100	4.77150	2.27800	7.04950	2.49350
2.990	10.690	.24420	.14620	-.01930	1.66950	-.10020	-.12140	4.71770	2.29240	7.01020	2.42520
2.990	11.490	.26780	.15440	-.02100	1.73390	-.10230	-.12180	4.63620	2.26400	6.90030	2.37210
2.990	12.310	.29160	.16330	-.02180	1.78550	-.10260	-.12210	4.53570	2.25460	6.79030	2.28110
2.990	13.130	.31610	.17290	-.02320	1.82740	-.10540	-.12260	4.47250	2.16860	6.64110	2.30390
2.990	13.950	.33880	.18270	-.02440	1.85460	-.10720	-.12220	4.35180	2.10860	6.46050	2.24320
2.990	14.770	.36400	.19410	-.02550	1.87530	-.10910	-.12340	4.22660	2.00610	6.23280	2.22040
2.990	15.600	.38720	.20580	-.02700	1.88150	-.10870	-.12390	4.09820	1.94600	6.04430	2.15220
2.990	16.420	.41400	.21890	-.02880	1.89070	-.11160	-.12450	4.04830	1.95670	6.00500	2.09150
2.990	17.240	.43840	.23230	-.03050	1.88680	-.11310	-.12410	3.95820	1.88180	5.84010	2.07630
2.990	18.070	.46320	.24690	-.03260	1.87620	-.11340	-.12500	3.88540	1.90760	5.79300	1.97780
2.990	18.900	.48910	.26210	-.03440	1.86600	-.11470	-.12550	3.85020	1.87990	5.73020	1.97020
2.990	19.710	.51390	.27780	-.03670	1.84970	-.11700	-.12500	3.79590	1.86360	5.65950	1.93230
2.990	20.540	.54040	.29510	-.03820	1.83090	-.11590	-.12530	3.68780	1.86170	5.54950	1.82610
2.990	21.360	.56640	.31350	-.04040	1.80640	-.11770	-.12480	3.67620	1.85760	5.53380	1.81850
2.990	22.180	.59050	.33230	-.04270	1.77770	-.11770	-.12450	3.59480	1.83690	5.43170	1.75780
2.990	23.020	.61760	.35360	-.04460	1.74650	-.11660	-.12550	3.52940	1.84730	5.37680	1.68200
2.990	23.840	.64390	.37510	-.04680	1.71670	-.11730	-.12500	3.44790	1.81890	5.26680	1.62890
2.990	24.660	.66950	.39730	-.04820	1.68510	-.11830	-.12520	3.42530	1.84940	5.27470	1.57580
2.990	25.480	.69600	.42130	-.05020	1.65210	-.11890	-.12550	3.37080	1.82530	5.19620	1.54550
2.990	26.310	.72270	.44680	-.05250	1.61740	-.11790	-.12650	3.32860	1.83610	5.16470	1.49240
2.990	27.130	.74830	.47230	-.05420	1.58420	-.11920	-.12640	3.31330	1.84360	5.15690	1.46960
2.990	27.950	.77160	.49730	-.05660	1.55130	-.11990	-.12580	3.29050	1.86630	5.15690	1.42410
2.990	28.770	.79590	.52400	-.05990	1.51870	-.11980	-.12530	3.17840	1.85280	5.03120	1.32560
2.990	29.580	.82070	.55200	-.06230	1.48680	-.11890	-.12630	3.17840	1.85280	5.03120	1.32560
2.990	30.400	.84300	.57990	-.06500	1.45350	-.11850	-.12540	3.07430	1.85480	4.92920	1.21940
2.990	31.200	.86640	.60970	-.06730	1.42100	-.11930	-.12460	3.07430	1.85480	4.92920	1.21940
2.990	31.990	.88860	.63940	-.07020	1.38960	-.11880	-.12510	3.03540	1.83870	4.87420	1.19660
2.990	32.790	.90910	.66950	-.07300	1.35780	-.11900	-.12510	2.93890	1.83320	4.77210	1.10560
2.990	33.560	.92930	.69980	-.07550	1.32780	-.11900	-.12490	2.92690	1.81370	4.71070	1.11320

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD053)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	ALFSNP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 90/ 0 RN/L = 10.69

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	34.310	.94850	.73030	-.07800	1.29870	-.11820	-.12510	2.83040	1.80810	4.63860	1.02220
2.990	34.860	.96220	.75340	-.08010	1.27710	-.11860	-.12510	2.76880	1.81480	4.58360	.95390

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TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD553)

PARAMETRIC DATA

ELEVON *	5.000	AILRON *	2.000
SPDRBK *	55.000	RN/L *	10.000
GRITNO *	.000	RCSPDS *	1.000
BETA *	.000	ALFSWP *	2.000
BDFLAP *	.000	RUDDER *	.000

RUN NO. 1090/ 0 RN/L = 10.60

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	-.040	-.04190	.11400	-.00540	-.36800	-.08850	-.12380	4.08440	2.03830	6.12280	2.04600
2.990	.340	-.03120	.11320	-.00540	-.27590	-.09030	-.12370	4.06100	2.02250	6.08350	2.03940
2.990	1.130	-.01310	.11180	-.00680	-.11710	-.09180	-.12460	4.00020	2.07550	6.07570	1.92470
2.990	2.190	.01360	.11120	-.00740	.12250	-.09480	-.12400	3.92310	2.08180	6.00500	1.84120
2.990	3.350	.04030	.11120	-.00790	.36210	-.09720	-.12460	3.84470	2.01100	5.85580	1.83370
2.990	4.500	.06990	.11250	-.00960	.62180	-.10210	-.12430	3.76050	2.04810	5.80870	1.71230
2.990	5.660	.10170	.11490	-.01150	.88530	-.10360	-.12460	3.63590	1.98420	5.62020	1.65170
2.990	6.860	.13340	.11910	-.01300	1.12050	-.10490	-.12520	3.62420	1.97250	5.59670	1.65170
2.990	8.080	.16720	.12530	-.01430	1.33410	-.10790	-.12520	3.59350	1.98730	5.58090	1.60610
2.990	9.330	.20450	.13430	-.01540	1.52260	-.10950	-.12600	3.52840	2.01320	5.54170	1.51510
2.990	10.570	.23930	.14440	-.01770	1.65710	-.11210	-.12630	3.49740	2.00500	5.50240	1.49240
2.990	11.840	.27780	.15750	-.02000	1.76420	-.11530	-.12640	3.46310	2.03140	5.49460	1.43170
2.990	13.110	.31480	.17160	-.02150	1.83360	-.11670	-.12670	3.40830	1.98410	5.39250	1.42410
2.990	14.390	.35330	.18840	-.02350	1.87500	-.11830	-.12640	3.35400	1.96770	5.32180	1.38520
2.990	15.700	.39090	.20630	-.02600	1.89440	-.11800	-.12620	3.25270	1.91200	5.16470	1.34070
2.990	16.990	.43000	.22670	-.02850	1.89680	-.11930	-.12550	3.20260	1.91500	5.11760	1.28760
2.990	18.310	.47180	.25010	-.03170	1.88590	-.11920	-.12500	3.13660	1.88680	5.02340	1.24970
2.990	19.620	.51210	.27510	-.03510	1.86140	-.11980	-.12530	3.07860	1.88190	4.96060	1.19660
2.990	20.930	.55380	.30310	-.03810	1.82670	-.11960	-.12460	3.05910	1.87000	4.92920	1.18900
2.990	22.260	.59590	.33440	-.04150	1.78210	-.11920	-.12530	2.98560	1.85720	4.84280	1.12840
2.990	23.600	.63880	.36850	-.04510	1.73310	-.12030	-.12460	2.95360	1.79490	4.74850	1.15870
2.990	24.950	.68180	.40600	-.04820	1.67930	-.11930	-.12510	2.89950	1.78620	4.68570	1.11320
2.990	26.310	.72460	.44640	-.05190	1.62310	-.11930	-.12520	2.86860	1.78570	4.65430	1.08290
2.990	27.660	.76520	.48800	-.05570	1.56780	-.11870	-.12510	2.86070	1.77780	4.63960	1.08290
2.990	29.050	.80740	.53420	-.06010	1.51120	-.12080	-.12380	2.81500	1.80790	4.62290	1.00700
2.990	30.420	.84800	.58250	-.06520	1.45570	-.12010	-.12430	2.79170	1.79980	4.59150	.99190
2.990	31.760	.88580	.63230	-.07050	1.40070	-.12030	-.12450	2.79530	1.78820	4.58360	1.00700
2.990	33.090	.92220	.68430	-.07440	1.34760	-.11880	-.12490	2.74160	1.80270	4.54440	.93880
2.990	34.140	.94800	.72608	-.07800	1.30570	-.12040	-.12420	2.73820	1.82970	4.56790	.90840
2.990	34.770	.96280	.75180	-.08030	1.28050	-.11870	-.12530	2.75310	1.79910	4.55220	.95390
2.990	35.020	.96790	.76130	-.08050	1.27130	-.11880	-.12520	2.74590	1.82980	4.57580	.91600

LA67 (LTV 552) ORBITER 49-0

(SF0054)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 81/ 0 RN/L = 15.30

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-.260	-.06020	.09510	-.01010	-.63320	-.02080	-.02910	4.72800	1.99940	6.72750	2.72860
4.591	.690	-.04200	.09090	-.01130	-.46200	-.02150	-.03150	4.72880	2.04570	6.77460	2.68300
4.591	1.580	-.02610	.08940	-.01330	-.29190	-.02350	-.03020	4.68670	2.06430	6.75100	2.62240
4.591	2.370	-.00970	.08760	-.01270	-.11090	-.02410	-.02860	4.67860	2.04100	6.71960	2.63750
4.591	3.180	.00670	.08630	-.01190	.07800	-.02500	-.03170	4.71000	2.07240	6.78250	2.63750
4.591	3.970	.02190	.08630	-.01230	.25380	-.02480	-.03180	4.69850	2.07610	6.77460	2.62240
4.591	4.760	.03810	.08640	-.01350	.44090	-.02520	-.02890	4.63650	2.05950	6.69610	2.57690
4.591	5.560	.05790	.08700	-.01360	.66540	-.02780	-.02900	4.60970	2.07070	6.68040	2.53900
4.591	6.360	.07520	.08850	-.01560	.84880	-.02880	-.03030	4.59500	2.11670	6.71180	2.47830
4.591	7.170	.09490	.09130	-.01550	1.03860	-.02790	-.03080	4.55200	2.08120	6.63330	2.47070
4.591	7.970	.11360	.09500	-.01480	1.19530	-.02900	-.02960	4.52500	2.08460	6.60970	2.44040
4.591	8.780	.13030	.09900	-.01440	1.31590	-.03050	-.03210	4.55240	2.10440	6.65680	2.44790
4.591	9.580	.15150	.10410	-.01400	1.45540	-.03170	-.03040	4.50160	2.06880	6.57040	2.43280
4.591	10.400	.17160	.10940	-.01460	1.56850	-.03120	-.03220	4.50920	2.06120	6.57040	2.44790
4.591	11.190	.19140	.11560	-.01550	1.65540	-.03170	-.03040	4.39710	2.04770	6.44480	2.34940
4.591	12.000	.21120	.12230	-.01590	1.72680	-.03240	-.02960	4.33070	2.00410	6.33480	2.32660
4.591	12.820	.23410	.13010	-.01680	1.79860	-.03370	-.03080	4.24910	1.96790	6.21700	2.28110
4.591	13.630	.25400	.13810	-.01820	1.83860	-.03340	-.03290	4.22520	1.92890	6.15420	2.29630
4.591	14.440	.27830	.14780	-.01760	1.88210	-.03340	-.02990	4.15090	1.86980	6.02070	2.28110
4.591	15.260	.30090	.15790	-.01850	1.90580	-.03210	-.03210	4.10490	1.88440	5.98930	2.22040
4.591	16.070	.32170	.16820	-.01930	1.91190	-.03440	-.03290	4.07030	1.89540	5.96580	2.17490
4.591	16.880	.34470	.18000	-.02050	1.91480	-.03460	-.03030	3.98450	1.83980	5.82440	2.14460
4.591	17.690	.36610	.19200	-.02070	1.90640	-.03410	-.02990	3.96080	1.80860	5.76940	2.15220
4.591	18.530	.38950	.20520	-.02120	1.89830	-.03410	-.03370	3.92670	1.84270	5.76940	2.08390
4.591	19.350	.41400	.21990	-.02150	1.88220	-.03440	-.03330	3.89850	1.77660	5.67520	2.12180
4.591	20.150	.43740	.23540	-.02330	1.85810	-.03410	-.03330	3.80960	1.76350	5.57310	2.04600
4.591	20.990	.46210	.25210	-.02450	1.83320	-.03510	-.03160	3.73590	1.74290	5.47890	1.99290
4.591	21.800	.48640	.26950	-.02460	1.80460	-.03380	-.03330	3.74350	1.73530	5.47890	2.00810
4.591	22.620	.51280	.28880	-.02580	1.77520	-.03430	-.03110	3.68510	1.70730	5.39250	1.97780
4.591	23.440	.53640	.30730	-.02670	1.74160	-.03530	-.03240	3.64640	1.69090	5.34540	1.94740
4.591	24.250	.56220	.32890	-.02810	1.70900	-.03480	-.03150	3.54970	1.68570	5.23540	1.86400
4.591	25.060	.58650	.35030	-.02930	1.67430	-.03210	-.03150	3.53470	1.70850	5.24330	1.82610
4.591	25.880	.60990	.37190	-.02980	1.63980	-.03580	-.03410	3.49160	1.67310	5.16470	1.81850
4.591	26.690	.63610	.39590	-.03190	1.60640	-.03400	-.03150	3.44520	1.66450	5.10980	1.78060
4.591	27.510	.65870	.41940	-.03310	1.57060	-.03580	-.03410	3.36030	1.66310	5.02340	1.69720
4.591	28.320	.68210	.44380	-.03580	1.53680	-.03400	-.03030	3.32170	1.66240	4.98410	1.65920
4.591	29.130	.70730	.47060	-.03740	1.50260	-.03580	-.03370	3.33350	1.67420	5.00770	1.65920
4.591	29.930	.73060	.49720	-.03970	1.46930	-.03480	-.03150	3.28740	1.68880	4.97630	1.59860
4.591	30.730	.75260	.52420	-.04100	1.43570	-.03610	-.03490	3.21400	1.68370	4.89770	1.53030
4.591	31.530	.77390	.55150	-.04320	1.40310	-.03630	-.03200	3.15240	1.69030	4.84280	1.46210
4.591	32.320	.79600	.58080	-.04520	1.37050	-.03680	-.03410	3.09810	1.67390	4.77210	1.42410
4.591	33.090	.81870	.61030	-.04680	1.34010	-.03480	-.03110	3.07860	1.66200	4.74070	1.41660

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0054)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	18.000
GMITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

		RUN NO.	91/ 0	RN/L = 15.30							
MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	33.860	.83610	.63860	-.04920	1.30920	-.03680	-.03320	2.98600	1.66040	4.64640	1.32560
4.591	34.500	.85300	.66400	-.05080	1.28460	-.03660	-.03370	2.97450	1.66410	4.63860	1.31040
4.591	34.750	.86130	.67610	-.05130	1.27390	-.03450	-.03280	2.95930	1.67920	4.63860	1.28000

LA67 (LTV 552) ORBITER 49-0

(SFD055)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 115/ 0 RN/L = 8.10

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.310	-.07980	.17520	.07810	-.45590	-.22620	-.33190	-7.37960	1.70730	-5.67230	-9.08690
1.510	.180	-.05650	.17360	.07370	-.32530	-.22740	-.33360	-7.34030	1.74650	-5.59380	-9.08690
1.510	.860	-.02580	.17260	.06750	-.14980	-.22750	-.33270	-7.31330	1.75080	-5.56240	-9.06420
1.510	1.460	.00350	.17160	.06210	.02040	-.23100	-.33430	-7.36310	1.76930	-5.59380	-9.13240
1.510	2.020	.02720	.17140	.05710	.15910	-.23430	-.33280	-7.37180	1.71510	-5.65660	-9.08690
1.510	2.540	.05310	.17120	.05240	.31020	-.23870	-.33420	-7.40150	1.77630	-5.62520	-9.17790
1.510	3.060	.07740	.17260	.04820	.44820	-.24070	-.33100	-7.41730	1.76060	-5.65660	-9.17790
1.510	3.580	.10200	.17370	.04420	.58730	-.24300	-.33030	-7.43590	1.79500	-5.64090	-9.23100
1.510	4.100	.12270	.17430	.03990	.70380	-.24690	-.33120	-7.40910	1.78390	-5.62520	-9.19310
1.510	4.630	.14710	.17630	.03610	.83460	-.25050	-.33070	-7.41660	1.79920	-5.61730	-9.21580
1.510	5.160	.17280	.17890	.03220	.96580	-.25150	-.33010	-7.47010	1.82910	-5.64090	-9.29930
1.510	5.690	.19490	.18150	.02780	1.07390	-.25530	-.33040	-7.49380	1.79790	-5.69590	-9.29170
1.510	6.220	.22040	.18540	.02380	1.18870	-.26070	-.32940	-7.50470	1.83240	-5.67230	-9.33720
1.510	6.750	.24530	.18920	.02040	1.29590	-.26400	-.33010	-7.54680	1.85090	-5.69590	-9.39780
1.510	7.260	.27010	.19380	.01590	1.39360	-.26590	-.32740	-7.62080	1.82270	-5.79790	-9.44330
1.510	7.800	.29190	.19790	.01220	1.47450	-.26810	-.32680	-7.63180	1.84950	-5.78220	-9.48130
1.510	8.320	.31680	.20320	.00810	1.55910	-.26820	-.32430	-7.69400	1.81750	-5.87650	-9.51160
1.510	8.830	.33830	.20820	.00430	1.62480	-.26950	-.32220	-7.73320	1.78600	-5.94720	-9.51920
1.510	9.360	.36270	.21370	.00110	1.63720	-.27060	-.32180	-7.78720	1.78500	-6.00210	-9.57230
1.510	9.900	.38560	.22070	-.00210	1.74730	-.27270	-.32050	-7.77470	1.83540	-5.93930	-9.61020
1.510	10.420	.40570	.22610	-.00550	1.79400	-.27440	-.32000	-7.89940	1.76380	-6.13560	-9.66330
1.510	10.940	.42900	.23350	-.00850	1.83690	-.27420	-.31750	-7.99130	1.80850	-6.18270	-9.79980
1.510	11.470	.45060	.24140	-.01060	1.86610	-.27710	-.31730	-8.12340	1.75220	-6.37120	-9.87560
1.510	12.000	.47230	.24960	-.01260	1.89200	-.28000	-.31810	-8.29020	1.69910	-6.59110	-9.98940
1.510	12.510	.49280	.25790	-.01530	1.91050	-.28310	-.31810	-8.49230	1.61840	-6.87380	-10.11070
1.510	13.040	.51390	.26720	-.01850	1.92320	-.28370	-.31830	-8.62870	1.53500	-7.09370	-10.16380
1.510	13.580	.53440	.27650	-.01810	1.93260	-.28340	-.32020	-8.74380	1.57160	-7.17220	-10.31550
1.510	14.090	.55510	.28540	-.01900	1.94470	-.28790	-.32080	-8.91010	1.54940	-7.36070	-10.45960
1.510	14.630	.57430	.29600	-.02040	1.94020	-.28770	-.32220	-9.02940	1.56660	-7.46280	-10.59610
1.510	15.150	.59410	.30580	-.02150	1.94240	-.29110	-.32640	-9.09890	1.56540	-7.53350	-10.66430
1.510	15.660	.61410	.31690	-.02190	1.93770	-.29110	-.33420	-9.21430	1.58650	-7.62770	-10.80080
1.510	16.180	.63380	.32850	-.02370	1.92920	-.29220	-.34300	-9.39100	1.62970	-7.76120	-11.02080
1.510	16.720	.65700	.34170	-.02510	1.92260	-.29190	-.34740	-9.49840	1.66640	-7.83190	-11.16490
1.510	17.220	.67620	.35340	-.02620	1.91330	-.29780	-.35110	-9.67470	1.73280	-7.94180	-11.40750
1.510	17.740	.69240	.36510	-.02690	1.89620	-.30550	-.35330	-9.88250	1.76010	-8.12240	-11.64260
1.510	18.250	.71490	.37950	-.02750	1.88330	-.30960	-.35730	-10.02230	1.71130	-8.31090	-11.73370
1.510	18.760	.73240	.39210	-.02890	1.86800	-.31820	-.36180	-10.11810	1.74440	-8.37370	-11.86260
1.510	19.290	.75240	.40640	-.02940	1.85110	-.32080	-.36660	-10.25410	1.69180	-8.56220	-11.94600
1.510	19.790	.77140	.42020	-.03050	1.83560	-.32280	-.37270	-10.41610	1.69670	-8.71930	-12.11280
1.510	20.280	.78860	.43280	-.03000	1.82220	-.32540	-.37740	-10.55280	1.59790	-8.95480	-12.15080
1.510	20.780	.80740	.44670	-.03020	1.80740	-.32370	-.38160	-10.71190	1.54500	-9.16690	-12.25690
1.510	21.240	.82350	.45990	-.03050	1.79040	-.32530	-.38170	-10.78560	1.52440	-9.26110	-12.31000

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD055)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSWP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 115/ 0 RN/L = 8.10

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	21.560	.83080	.46710	-.03120	1.77860	-.32800	-.38370	-10.86560	1.58090	-9.28470	-12.44650

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 382

LA67 (LTV 552) ORBITER 49-0

(SF0055)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSNP =	1.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 102/ 0 RN/L = 8.31

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	.420	-.08740	.15020	.05040	-.58170	-.16970	-.21300	-9.52740	1.32640	-8.20100	-10.85390
2.010	.130	-.06800	.14820	.04800	-.45930	-.17000	-.21270	-9.54290	1.32620	-8.21670	-10.86910
2.010	.820	-.04260	.14610	.04480	-.29170	-.17110	-.21400	-9.57400	1.31020	-8.26380	-10.88430
2.010	1.410	-.02090	.14540	.04090	-.14400	-.17320	-.21380	-9.55850	1.31820	-8.24020	-10.87670
2.010	1.990	-.00050	.14480	.03770	-.00350	-.17300	-.21550	-9.64350	1.30900	-8.33450	-10.95250
2.010	2.530	.01850	.14480	.03500	.12820	-.17530	-.21500	-9.65500	1.31260	-8.34230	-10.96770
2.010	3.050	.03750	.14550	.03330	.25810	-.17680	-.21490	-9.64380	1.29350	-8.35020	-10.93740
2.010	3.580	.05600	.14590	.03060	.38440	-.17670	-.21570	-9.69790	1.28490	-8.41300	-10.98290
2.010	4.080	.07240	.14650	.02740	.49450	-.17860	-.21520	-9.70960	1.28080	-8.42870	-10.99040
2.010	4.620	.09210	.14750	.02550	.62470	-.17730	-.21550	-9.75240	1.26080	-8.49150	-11.01320
2.010	5.150	.10990	.14890	.02310	.73810	-.17840	-.21430	-9.77940	1.25650	-8.52290	-11.03590
2.010	5.660	.12550	.15020	.02060	.83570	-.18000	-.21490	-9.79120	1.24470	-8.54650	-11.03590
2.010	6.190	.14520	.15260	.01780	.95150	-.18140	-.21490	-9.85680	1.24740	-8.60930	-11.10420
2.010	6.710	.16320	.15530	.01560	1.05090	-.18320	-.21440	-9.90390	1.20030	-8.70360	-11.10420
2.010	7.260	.18140	.15850	.01410	1.14400	-.18420	-.21370	-9.96710	1.11430	-8.85280	-11.08140
2.010	7.790	.19960	.16170	.01250	1.23460	-.18360	-.21380	-10.08450	1.01970	-9.06480	-11.10420
2.010	8.320	.21580	.16490	.01060	1.30850	-.18660	-.21250	-10.14140	1.07650	-9.06480	-11.21800
2.010	8.860	.23530	.16910	.01010	1.39150	-.18670	-.21320	-10.17670	1.04120	-9.13550	-11.21800
2.010	9.380	.25350	.17320	.00840	1.46370	-.18960	-.21230	-10.22290	1.04810	-9.17470	-11.27100
2.010	9.930	.27180	.17810	.00780	1.52640	-.18850	-.21290	-10.29590	1.06610	-9.22970	-11.36200
2.010	10.470	.28980	.18290	.00710	1.58470	-.19080	-.21220	-10.28080	1.04320	-9.23760	-11.32410
2.010	10.990	.30810	.18800	.00720	1.63840	-.19060	-.21270	-10.33510	1.02690	-9.30820	-11.36200
2.010	11.550	.32740	.19420	.00640	1.68590	-.19250	-.21270	-10.36210	1.03020	-9.33180	-11.39240
2.010	12.060	.34490	.19980	.00550	1.72570	-.19550	-.21480	-10.40460	1.02560	-9.37890	-11.43030
2.010	12.620	.36430	.20730	.00530	1.75710	-.19610	-.21770	-10.48190	1.01660	-9.46530	-11.49860
2.010	13.150	.38270	.21440	.00500	1.78440	-.19730	-.22270	-10.47420	1.01670	-9.45740	-11.49100
2.010	13.660	.40040	.22150	.00460	1.80770	-.20110	-.22720	-10.47340	1.06300	-9.41030	-11.53650
2.010	14.200	.41870	.22950	.00360	1.82460	-.20440	-.23100	-10.50790	1.07400	-9.43390	-11.58200
2.010	14.710	.43670	.23770	.00230	1.84060	-.20720	-.23370	-10.61990	1.06020	-9.55170	-11.68010
2.010	15.240	.45540	.24680	.00160	1.84540	-.21010	-.23610	-10.69450	.99360	-9.70090	-11.68810
2.010	15.760	.47460	.25630	.00060	1.85180	-.21130	-.23920	-10.83510	.89850	-9.93650	-11.73370
2.010	16.270	.49070	.26500	-.00030	1.85150	-.21260	-.24040	-10.92060	.65850	-10.06210	-11.77920
2.010	16.810	.51010	.27550	-.00130	1.85110	-.21330	-.24190	-11.03380	.78320	-10.25060	-11.81710
2.010	17.330	.52690	.28510	-.00120	1.84780	-.21540	-.24360	-11.19770	.89990	-10.29770	-12.09770
2.010	17.850	.54400	.29510	-.00160	1.84340	-.21610	-.24410	-11.43600	.94980	-10.48620	-12.38590
2.010	18.370	.56140	.30580	-.00250	1.83560	-.21660	-.24500	-11.57830	.97430	-10.60480	-12.55270
2.010	18.860	.57890	.31640	-.00410	1.82950	-.21860	-.24460	-11.66650	1.00750	-10.65890	-12.67400
2.010	19.400	.59700	.32830	-.00420	1.81810	-.21820	-.24580	-11.78160	1.04410	-10.73750	-12.82570
2.010	19.880	.61290	.33910	-.00500	1.80710	-.22050	-.24500	-11.91310	1.02630	-10.88670	-12.93950
2.010	20.390	.62640	.34910	-.00670	1.79390	-.22220	-.24560	-11.95980	1.00240	-10.95740	-12.96220
2.010	20.900	.64360	.36160	-.00720	1.77950	-.22330	-.24750	-12.03260	1.02810	-11.00450	-13.06080
2.010	21.400	.65930	.37380	-.00790	1.76380	-.22480	-.24790	-12.14440	1.03770	-11.10660	-13.18220

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 383

LA67 (LTV 552) ORBITER 49-0

(SF0055)

PARAMETRIC DATA

ELEVON	=	-10.000	A1LRON	=	2.000
SPOBRK	=	55.000	RN/L	=	0.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	ALFSMP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 102/ 0 RN/L = 0.31

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	A1LRON	ELVN-L	ELVN-R
2.010	21.870	.67400	.38500	-.00940	1.75050	-.22950	-.24990	-12.20150	1.07920	-11.12230	-13.28070
2.010	22.290	.68870	.39650	-.01090	1.73700	-.22970	-.25250	-12.29100	1.03520	-11.25580	-13.32620
2.010	22.540	.69880	.40400	-.01160	1.72970	-.23210	-.25420	-12.32200	1.02690	-11.29500	-13.34900

LA67 (LTV 552) ORBITER 49-0

(SF0555)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	2.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	ALFSWP	=	2.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 1115/ 0 RN/L = 8.06

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
1.510	-.390	-.08320	.17510	.07910	-.47510	-.22200	-.33300	-7.43690	1.74100	-5.69590	-9.17790
1.510	-.070	-.06980	.17460	.07560	-.39950	-.22450	-.33240	-7.46040	1.71740	-5.74300	-9.17790
1.510	.220	-.05390	.17360	.07320	-.31070	-.22650	-.33340	-7.48660	1.76710	-5.71940	-9.25370
1.510	.640	-.03320	.17270	.06850	-.19210	-.22900	-.33350	-7.53410	1.69680	-5.83720	-9.23100
1.510	1.140	-.00950	.17160	.06380	-.05550	-.23560	-.33390	-7.57280	1.68840	-5.88430	-9.26130
1.510	1.700	.01740	.17140	.05950	.10150	-.23780	-.33290	-7.68520	1.65950	-6.02570	-9.34480
1.510	2.280	.04280	.17160	.05500	.24990	-.24290	-.33120	-7.75090	1.65450	-6.09640	-9.40540
1.510	2.870	.07010	.17200	.04990	.40770	-.24570	-.33010	-7.85160	1.62960	-6.22200	-9.48130
1.510	3.460	.09730	.17320	.04520	.56190	-.24860	-.32830	-7.88640	1.62510	-6.26130	-9.51160
1.510	4.050	.12320	.17460	.04080	.70560	-.25020	-.32740	-7.99070	1.61940	-6.37120	-9.61020
1.510	4.660	.15020	.17670	.03610	.84980	-.25270	-.32670	-8.06860	1.57950	-6.48900	-9.64810
1.510	5.240	.17700	.17960	.03190	.98520	-.25520	-.32590	-8.16880	1.58550	-6.58320	-9.75430
1.510	5.830	.20430	.18240	.02690	1.11970	-.25770	-.32710	-8.27400	1.52580	-6.74820	-9.79980
1.510	6.450	.23260	.18700	.02330	1.24380	-.25970	-.32480	-8.37770	1.55100	-6.82670	-9.92370
1.510	7.050	.25950	.19100	.01830	1.35830	-.26190	-.32490	-8.41300	1.51560	-6.89740	-9.92870
1.510	7.670	.28630	.19610	.01360	1.45990	-.26520	-.32410	-8.47400	1.56090	-6.91310	-10.03490
1.510	8.300	.31390	.20230	.00960	1.55130	-.26640	-.32080	-8.54280	1.59820	-6.94450	-10.14110
1.510	8.940	.34380	.20940	.00590	1.64130	-.26810	-.31950	-8.61250	1.58160	-7.03090	-10.19410
1.510	9.560	.36950	.21630	.00150	1.70820	-.27120	-.31950	-8.76370	1.53650	-7.22720	-10.30030
1.510	10.190	.39570	.22390	-.00110	1.76760	-.27320	-.32150	-8.98040	1.50190	-7.47850	-10.48230
1.510	10.840	.42350	.23320	-.00480	1.81560	-.27600	-.31950	-9.23240	1.43190	-7.80050	-10.66430
1.510	11.460	.44860	.24190	-.00750	1.85390	-.27890	-.32190	-9.47190	1.41230	-8.05960	-10.88430
1.510	12.100	.47440	.25170	-.00990	1.88430	-.27960	-.32350	-9.77820	1.32590	-8.45230	-11.10420
1.510	12.750	.49910	.26190	-.01180	1.90560	-.28230	-.32500	-10.06310	1.35950	-8.70360	-11.42270
1.510	13.400	.52620	.27350	-.01420	1.92390	-.28360	-.32550	-10.23190	1.41830	-8.81350	-11.65020
1.510	14.030	.55000	.28440	-.01580	1.93370	-.28730	-.33030	-10.36960	1.48540	-8.88420	-11.85500
1.510	14.680	.57480	.29680	-.01760	1.93630	-.28770	-.33480	-10.55500	1.47440	-9.08050	-12.02940
1.510	15.330	.59970	.30960	-.01900	1.93650	-.29390	-.34300	-10.63610	1.46910	-9.16690	-12.10530
1.510	15.990	.62690	.32480	-.02100	1.92980	-.29490	-.35050	-10.76250	1.51710	-9.24540	-12.27970
1.510	16.630	.65130	.33940	-.02260	1.91870	-.30000	-.35610	-10.80830	1.54720	-9.26110	-12.35550
1.510	17.260	.67640	.35440	-.02470	1.90860	-.30660	-.36050	-10.81180	1.56640	-9.24540	-12.37830
1.510	17.910	.70010	.37010	-.02630	1.89160	-.31400	-.36380	-10.83070	1.59310	-9.23760	-12.42380
1.510	18.540	.72430	.38630	-.02720	1.87480	-.32020	-.37040	-10.82660	1.60470	-9.22180	-12.43140
1.510	19.190	.75010	.40400	-.02880	1.85680	-.32250	-.37580	-10.82290	1.59320	-9.22970	-12.41620
1.510	19.790	.77140	.41990	-.02940	1.83700	-.32590	-.37950	-10.87310	1.59620	-9.27680	-12.46930
1.510	20.330	.79230	.43520	-.03070	1.82050	-.32660	-.38040	-10.89230	1.59970	-9.29250	-12.49200
1.510	20.780	.80520	.44580	-.03040	1.80590	-.32820	-.38260	-10.88040	1.61920	-9.26110	-12.49960
1.510	21.170	.82180	.45850	-.03050	1.79230	-.32960	-.38080	-10.86900	1.60780	-9.26110	-12.47690
1.510	21.430	.82840	.46490	-.03070	1.78190	-.32950	-.38180	-10.89170	1.63060	-9.26110	-12.52240
1.510	21.680	.83580	.47100	-.03110	1.77460	-.33000	-.38240	-10.89200	1.61510	-9.27680	-12.50720

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 385

LA67 (LTV 552) ORBITER 49-0

(SFD555)

PARAMETRIC DATA

ELEVON = -10.000 AILRON = 2.000
 SPOBRK = 55.000 RN/L = 8.000
 GRITNO = .000 RCSPOS = 1.000
 BETA = .000 ALFSWP = 2.000
 BDFLAP = .000 RUDDER = .000

RUN NO. 1102/ 0 RN/L = 8.24

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.010	.070	-.06780	.14840	.04710	-.45740	-.17270	-.21600	-9.74150	1.21850	-8.52290	-10.96010
2.010	.320	-.05940	.14800	.04620	-.40180	-.17220	-.21530	-9.87370	1.16220	-8.71140	-11.03590
2.010	.680	-.04530	.14720	.04400	-.30780	-.17350	-.21580	-10.00650	1.06730	-8.93910	-11.07390
2.010	1.150	-.02970	.14630	.04210	-.20320	-.17620	-.21570	-10.10090	1.02180	-9.15900	-11.20280
2.010	1.660	-.01030	.14580	.03950	-.07100	-.17580	-.21620	-10.28140	1.01240	-9.26900	-11.29380
2.010	2.220	.01020	.14520	.03720	.07080	-.17720	-.21690	-10.39350	.99880	-9.39460	-11.39240
2.010	2.790	.02890	.14540	.03410	.19870	-.17850	-.21690	-10.48230	.99340	-9.48880	-11.47580
2.010	3.370	.04890	.14620	.03150	.33440	-.17980	-.21530	-10.60680	.93720	-9.66950	-11.54410
2.010	3.970	.06890	.14650	.02930	.47010	-.18190	-.21590	-10.64850	.97900	-9.66950	-11.62750
2.010	4.540	.09060	.14790	.02610	.61290	-.18200	-.21500	-10.71100	.93160	-9.77940	-11.64260
2.010	5.140	.10950	.14910	.02420	.73470	-.18370	-.21590	-10.78000	.96120	-9.81870	-11.74120
2.010	5.720	.12940	.15160	.02090	.85390	-.18560	-.21540	-10.80770	.91830	-9.88940	-11.72610
2.010	6.310	.14940	.15360	.01860	.97260	-.18540	-.21630	-10.86970	.90180	-9.96790	-11.77160
2.010	6.920	.16880	.15700	.01700	1.07480	-.18680	-.21590	-10.97370	.91160	-10.06210	-11.88530
2.010	7.510	.18990	.16070	.01450	1.19170	-.18910	-.21430	-11.11450	.80110	-10.31340	-11.91570
2.010	8.140	.21070	.16460	.01280	1.28000	-.19000	-.21500	-11.24660	.75250	-10.49400	-11.99910
2.010	8.750	.23160	.16840	.01170	1.37530	-.19110	-.21580	-11.41300	.72260	-10.69040	-12.13560
2.010	9.370	.25190	.17320	.01060	1.45460	-.19260	-.21670	-11.55900	.75860	-10.80030	-12.31760
2.010	9.980	.27360	.17890	.00990	1.52880	-.19440	-.21680	-11.70150	.76770	-10.93380	-12.46930
2.010	10.620	.29540	.18520	.00960	1.59470	-.19700	-.21870	-11.84440	.76130	-11.08300	-12.60580
2.010	11.260	.31570	.19150	.00910	1.64850	-.19810	-.22120	-11.93280	.77910	-11.15370	-12.71200
2.010	11.900	.33750	.19810	.00780	1.70320	-.19930	-.22600	-11.92880	.79070	-11.13800	-12.71950
2.010	12.530	.36100	.20630	.00800	1.74950	-.20340	-.22960	-12.00540	.82030	-11.18510	-12.82570
2.010	13.170	.38320	.21500	.00760	1.78180	-.20630	-.23490	-12.02360	.88550	-11.13800	-12.90910
2.010	13.820	.40680	.22480	.00610	1.80890	-.21010	-.23860	-12.06540	.91950	-11.14580	-12.98500
2.010	14.460	.42840	.23420	.00440	1.82920	-.21260	-.24080	-12.10450	.88800	-11.21650	-12.99260
2.010	15.120	.45030	.24520	.00310	1.83660	-.21540	-.24350	-12.08820	.94230	-11.14580	-13.03050
2.010	15.760	.47390	.25680	.00270	1.84480	-.21730	-.24510	-12.13740	.99160	-11.14580	-13.12910
2.010	16.410	.49720	.26870	.00140	1.85010	-.21930	-.24600	-12.19110	1.01380	-11.17720	-13.20490
2.010	17.080	.51860	.28050	.00020	1.84830	-.21920	-.24660	-12.24520	1.00510	-11.24010	-13.25040
2.010	17.710	.54010	.29260	-.00180	1.84570	-.22210	-.24690	-12.26500	.97780	-11.28720	-13.24280
2.010	18.330	.56220	.30570	-.00320	1.83920	-.22430	-.24760	-12.26830	1.01240	-11.25580	-13.28070
2.010	18.970	.58400	.31930	-.00420	1.82900	-.22580	-.24890	-12.27960	1.02380	-11.25580	-13.30350
2.010	19.620	.60620	.33410	-.00540	1.81450	-.22590	-.25040	-12.33810	.98810	-11.35000	-13.32620
2.010	20.250	.62450	.34700	-.00690	1.79950	-.22810	-.25160	-12.36110	.99540	-11.36570	-13.35660
2.010	20.850	.64490	.36190	-.00730	1.78160	-.22970	-.25340	-12.39550	1.01410	-11.38140	-13.40970
2.010	21.360	.66340	.37530	-.00920	1.76740	-.23250	-.25410	-12.35740	.99160	-11.36570	-13.34900
2.010	21.810	.67470	.38450	-.01010	1.75470	-.23270	-.25510	-12.38840	.98330	-11.40500	-13.37180
2.010	22.180	.68930	.39570	-.01070	1.74190	-.23420	-.25520	-12.38840	.98330	-11.40500	-13.37180
2.010	22.600	.70210	.40620	-.01130	1.72850	-.23220	-.25580	-12.38810	.99880	-11.38930	-13.38690

LA67 (LTV 552) ORBITER 49-0

(SF0056)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	2.000
SPDBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	ALFSWP	=	1.000
BDFLAP	=	.000	RUDDER	=	.000

RUN NO. 91/ 0 RN/L = 10.61

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	-.040	-.06760	.11410	.01400	-.59240	-.08030	-.11200	-9.63590	1.52130	-8.11460	-11.15730
2.990	.940	-.04490	.11100	.01230	-.40500	-.07910	-.11270	-9.70540	1.52010	-8.18530	-11.22550
2.990	1.810	-.02380	.10990	.01210	-.21720	-.08110	-.11260	-9.71660	1.53920	-8.17740	-11.25590
2.990	2.610	-.00570	.10930	.01100	-.05290	-.08240	-.11240	-9.78260	1.51870	-8.26380	-11.30140
2.990	3.400	.01430	.10930	.01060	.13150	-.08420	-.11300	-9.77430	1.54980	-8.22450	-11.32410
2.990	4.220	.03420	.10920	.00950	.31350	-.08600	-.11330	-9.81320	1.53360	-8.27950	-11.34690
2.990	5.020	.05550	.10960	.00840	.50680	-.08790	-.11370	-9.78980	1.54950	-8.24020	-11.33930
2.990	5.820	.07700	.11110	.00730	.69360	-.08890	-.11490	-9.88630	1.54390	-8.34230	-11.43030
2.990	6.630	.09880	.11320	.00600	.87250	-.09040	-.11590	-9.89360	1.56700	-8.32660	-11.46060
2.990	7.450	.12170	.11640	.00590	1.04540	-.09330	-.11580	-9.93590	1.57780	-8.35800	-11.51370
2.990	8.270	.14280	.12020	.00600	1.18810	-.09500	-.11580	-9.95470	1.60450	-8.35020	-11.55920
2.990	9.070	.16590	.12490	.00540	1.32800	-.09560	-.11750	-9.97070	1.57330	-8.39730	-11.54410
2.990	9.880	.18810	.13040	.00510	1.44200	-.09730	-.11830	-9.98900	1.63090	-8.35800	-11.61990
2.990	10.700	.21210	.13710	.00440	1.54670	-.09930	-.11880	-10.03960	1.60300	-8.43660	-11.64260
2.990	11.520	.23620	.14470	.00470	1.63210	-.10020	-.11990	-10.08200	1.60610	-8.47580	-11.68810
2.990	12.350	.26060	.15320	.00360	1.70110	-.10300	-.11970	-10.05880	1.60850	-8.45230	-11.66540
2.990	13.160	.28390	.16190	.00230	1.75270	-.10410	-.12090	-10.16090	1.50440	-8.65640	-11.66540
2.990	13.970	.30840	.17120	.00180	1.80040	-.10670	-.12170	-10.28940	1.43660	-8.85280	-11.72610
2.990	14.790	.33040	.18120	.00090	1.82350	-.10660	-.12250	-10.43400	1.32990	-9.10410	-11.76400
2.990	15.610	.35430	.19240	-.00100	1.84140	-.10950	-.12200	-10.39940	1.32670	-9.07260	-11.72610
2.990	16.440	.37920	.20450	-.00190	1.85350	-.10920	-.12310	-10.47730	1.27900	-9.19830	-11.75640
2.990	17.250	.40370	.21700	-.00220	1.86040	-.11110	-.12360	-10.67670	1.13280	-9.54380	-11.80950
2.990	18.070	.42780	.23040	-.00250	1.85660	-.11340	-.12270	-10.97220	.99650	-9.97570	-11.96870
2.990	18.890	.45130	.24420	-.00380	1.84820	-.11350	-.12340	-11.13600	1.12090	-10.01500	-12.25690
2.990	19.720	.47580	.25930	-.00440	1.83470	-.11320	-.12380	-11.25850	1.17280	-10.08570	-12.43140
2.990	20.530	.50040	.27510	-.00530	1.81900	-.11450	-.12430	-11.31580	1.20650	-10.10920	-12.52240
2.990	21.360	.52600	.29240	-.00600	1.79870	-.11700	-.12350	-11.29920	1.27620	-10.02290	-12.57550
2.990	22.190	.55000	.31010	-.00730	1.77330	-.11630	-.12460	-11.40270	1.30920	-10.09350	-12.71200
2.990	23.000	.57630	.32960	-.00800	1.74820	-.11870	-.12410	-11.42940	1.32800	-10.10140	-12.75750
2.990	23.820	.60170	.34980	-.00970	1.72020	-.11780	-.12500	-11.51350	1.37280	-10.14070	-12.88640
2.990	24.630	.62540	.37000	-.01060	1.69020	-.11980	-.12410	-11.55590	1.37590	-10.17990	-12.93190
2.990	25.460	.65160	.39300	-.01160	1.65820	-.12040	-.12430	-11.60980	1.38270	-10.22700	-12.99260
2.990	26.280	.67720	.41600	-.01320	1.62760	-.12110	-.12460	-11.64010	1.41300	-10.22700	-13.05320
2.990	27.100	.69950	.43850	-.01320	1.59530	-.12040	-.12470	-11.69820	1.40050	-10.29770	-13.09870
2.990	27.910	.72140	.46160	-.01460	1.56260	-.11970	-.12490	-11.75170	1.43040	-10.32130	-13.18220
2.990	28.720	.74690	.48790	-.01570	1.53060	-.11920	-.12530	-11.81730	1.43310	-10.38410	-13.25040
2.990	29.530	.76870	.51250	-.01680	1.49980	-.12050	-.12400	-11.89850	1.42010	-10.47830	-13.31870
2.990	30.340	.79150	.53910	-.01900	1.46800	-.11960	-.12490	-11.96780	1.42660	-10.54120	-13.39450
2.990	31.130	.81400	.56560	-.02080	1.43900	-.11960	-.12350	-12.06900	1.37860	-10.69040	-13.44760
2.990	31.920	.83660	.59370	-.02220	1.40910	-.11930	-.12360	-12.09210	1.37820	-10.71390	-13.47030
2.990	32.710	.85920	.62290	-.02480	1.37760	-.11850	-.12350	-12.17660	1.39980	-10.76760	-13.57650
2.990	33.510	.87850	.65280	-.02540	1.34560	-.11750	-.12300	-12.22400	1.33730	-10.86670	-13.56130

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD056)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	ALFSW =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO.		91/ 0	RN/L = 10.61								
MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	34.240	.89720	.68110	-.02750	1.31720	-.11790	-.12290	-12.26550	1.39440	-10.87100	-13.65990
2.990	34.850	.91160	.70490	-.02850	1.29320	-.11640	-.12290	-12.30760	1.41300	-10.89450	-13.72060
2.990	35.050	.91750	.71400	-.02920	1.28500	-.11670	-.12250	-12.37800	1.35770	-11.02020	-13.73580

LA67 (LTV 552) ORBITER 49-0

(SFD556)

PARAMETRIC DATA

ELEVON	=	-10.000	AILRON	=	2.000
SPDBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	ALFSWP	=	2.000
BOFLAP	=	.000	RUDDER	=	.000

RUN NO. 10917 0 RN/L = 10.50

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
2.990	.010	-.06630	.11400	.01540	-.58160	-.00280	-.12020	-10.55210	1.19670	-9.35540	-11.74880
2.990	.440	-.05650	.11280	.01400	-.50070	-.08460	-.12060	-10.62140	1.20320	-9.41820	-11.82470
2.990	1.280	-.03660	.11090	.01380	-.33060	-.08840	-.12170	-10.69220	1.12480	-9.56740	-11.81710
2.990	2.370	-.01080	.10970	.01270	-.09910	-.09070	-.12180	-10.88290	1.03270	-9.85010	-11.91570
2.990	3.520	.01700	.10940	.01200	.15540	-.09500	-.12290	-11.05630	1.04130	-10.01500	-12.09770
2.990	4.670	.04630	.10930	.01090	.42170	-.09760	-.12340	-11.29490	1.07570	-10.21920	-12.37070
2.990	5.830	.07770	.11140	.00890	.69710	-.10000	-.12370	-11.51430	1.10660	-10.40770	-12.62100
2.990	7.030	.10910	.11490	.00860	.94940	-.10350	-.12310	-11.72360	1.04890	-10.67470	-12.77260
2.990	8.250	.14260	.12060	.00710	1.18310	-.10670	-.12330	-11.83850	1.10090	-10.73750	-12.93950
2.990	9.490	.17760	.12810	.00780	1.38650	-.10960	-.12370	-11.90670	1.16920	-10.73750	-13.07600
2.990	10.740	.21370	.13780	.00760	1.56020	-.11150	-.12370	-12.02980	1.19020	-10.83960	-13.22010
2.990	12.030	.24850	.14920	.00610	1.66450	-.11450	-.12470	-12.07900	1.24720	-10.83170	-13.32620
2.990	13.290	.28550	.16290	.00480	1.75250	-.11470	-.12480	-12.15180	1.27300	-10.87880	-13.42480
2.990	14.570	.32320	.17840	.00320	1.81140	-.11580	-.12460	-12.14700	1.33090	-10.81600	-13.47790
2.990	15.880	.36250	.19620	.00090	1.84700	-.11760	-.12420	-12.22860	1.29480	-10.93380	-13.52340
2.990	17.190	.40070	.21570	-.00030	1.85790	-.11810	-.12510	-12.18570	1.32250	-10.86310	-13.50830
2.990	18.490	.44060	.23750	-.00240	1.85500	-.11790	-.12430	-12.25110	1.33300	-10.91810	-13.58410
2.990	19.810	.48140	.26190	-.00370	1.83790	-.11900	-.12390	-12.25880	1.33280	-10.92600	-13.59170
2.990	21.130	.51960	.28750	-.00510	1.80670	-.11870	-.12480	-12.22780	1.34110	-10.88670	-13.56890
2.990	22.460	.56240	.31780	-.00720	1.76980	-.11910	-.12410	-12.25490	1.33670	-10.91810	-13.59170
2.990	23.790	.60180	.34910	-.00900	1.72350	-.11870	-.12410	-12.28180	1.34010	-10.94170	-13.62200
2.990	25.130	.64420	.38480	-.01050	1.67380	-.11720	-.12350	-12.28550	1.35160	-10.93380	-13.63720
2.990	26.510	.68430	.42220	-.01310	1.62080	-.11720	-.12350	-12.28470	1.39800	-10.88670	-13.68270
2.990	27.860	.72400	.46180	-.01520	1.56760	-.11690	-.12290	-12.31990	1.37030	-10.94950	-13.69030
2.990	29.250	.76330	.50480	-.01760	1.51200	-.11500	-.12260	-12.35120	1.34660	-11.00450	-13.69790
2.990	30.620	.80300	.55010	-.02020	1.45970	-.11570	-.12280	-12.31260	1.34730	-10.96520	-13.65990
2.990	31.980	.84220	.59850	-.02390	1.40700	-.11610	-.12300	-12.34670	1.38140	-10.96520	-13.72820
2.990	33.280	.87610	.64650	-.02610	1.35510	-.11570	-.12330	-12.33970	1.34300	-10.99660	-13.68270
2.990	34.270	.89980	.68380	-.02740	1.31580	-.11650	-.12250	-12.36700	1.32320	-11.04370	-13.69030
2.990	34.970	.91580	.71040	-.02830	1.28900	-.11630	-.12250	-12.34340	1.34680	-10.99660	-13.69030

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD057)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPOBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSWP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 83/ 0 RN/L = 15.26

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	-.470	-.07540	.09420	-.00390	-.80010	-.02290	-.03370	-9.50870	1.95950	-7.54920	-11.46820
4.591	-.190	-.07180	.09410	-.00460	-.76330	-.02400	-.03380	-9.50100	1.95960	-7.54130	-11.46060
4.591	.780	-.05380	.09010	-.00470	-.59710	-.02480	-.03260	-9.53500	2.00150	-7.53350	-11.53650
4.591	1.670	-.03510	.08720	-.00370	-.40310	-.02470	-.03490	-9.54310	1.97820	-7.56490	-11.52130
4.591	2.480	-.01890	.08580	-.00450	-.22080	-.02630	-.03280	-9.53120	1.99770	-7.53350	-11.52890
4.591	3.270	-.00350	.08510	-.00400	-.04160	-.02560	-.03410	-9.55070	1.98580	-7.56490	-11.53650
4.591	4.060	.01010	.08490	-.00380	.11960	-.02700	-.03380	-9.55420	2.00500	-7.54920	-11.55920
4.591	4.870	.02870	.08500	-.00320	.33780	-.02750	-.03380	-9.56180	2.01260	-7.54920	-11.57440
4.591	5.680	.04470	.08530	-.00330	.52370	-.02930	-.03220	-9.58830	2.03910	-7.54920	-11.62750
4.591	6.470	.06400	.08700	-.00330	.73620	-.02850	-.03510	-9.59660	2.00810	-7.58840	-11.60470
4.591	7.290	.08070	.08970	-.00250	.89940	-.03050	-.03380	-9.59660	2.00810	-7.58840	-11.60470
4.591	8.090	.09920	.09310	-.00240	1.06640	-.03230	-.03260	-9.58830	2.03910	-7.54920	-11.62750
4.591	8.910	.11710	.09680	-.00130	1.20970	-.03100	-.03470	-9.59620	2.03130	-7.56490	-11.62750
4.591	9.710	.13650	.10120	-.00170	1.34890	-.03350	-.03250	-9.61130	2.04640	-7.56490	-11.65780
4.591	10.530	.15650	.10640	-.00070	1.47060	-.03220	-.03510	-9.62350	2.01150	-7.61200	-11.63510
4.591	11.340	.17410	.11180	.00020	1.55630	-.03220	-.03500	-9.64230	2.03820	-7.60410	-11.68060
4.591	12.140	.19620	.11850	.00050	1.65570	-.03420	-.03210	-9.61930	2.03090	-7.58840	-11.65020
4.591	12.950	.21590	.12550	.00050	1.71990	-.03470	-.03210	-9.65750	2.05330	-7.60410	-11.71090
4.591	13.770	.23810	.13370	.00080	1.78110	-.03540	-.03240	-9.63870	2.02670	-7.61200	-11.66540
4.591	14.580	.25760	.14200	.00020	1.81320	-.03390	-.03580	-9.68070	2.05290	-7.62770	-11.73370
4.591	15.390	.27970	.15130	.00100	1.84800	-.03560	-.03290	-9.72740	2.02900	-7.69840	-11.75640
4.591	16.210	.30240	.16180	.00080	1.86840	-.03490	-.03290	-9.91020	1.94480	-7.96540	-11.85500
4.591	17.030	.32350	.17260	.00120	1.87390	-.03610	-.03410	-9.98250	1.87000	-8.12240	-11.86260
4.591	17.860	.34720	.18470	.00110	1.87960	-.03490	-.03410	-10.04670	1.86140	-8.18530	-11.90810
4.591	18.670	.36950	.19750	.00100	1.87060	-.03590	-.03500	-10.10070	1.86040	-8.24020	-11.96120
4.591	19.500	.39240	.21140	.00110	1.85590	-.03640	-.03500	-10.18980	1.83960	-8.35020	-12.02940
4.591	20.330	.41460	.22560	.00210	1.83720	-.03590	-.03420	-10.30900	1.86450	-8.44440	-12.17350
4.591	21.160	.43820	.24160	.00230	1.81390	-.03610	-.03290	-10.41420	1.80480	-8.60930	-12.21900
4.591	21.970	.46140	.25820	.00250	1.78660	-.03590	-.03450	-10.53290	1.85290	-8.68000	-12.38590
4.591	22.800	.48480	.27590	.00240	1.75710	-.03640	-.03290	-10.72050	1.71840	-9.00200	-12.43890
4.591	23.620	.50820	.29410	.00130	1.72810	-.03740	-.03630	-10.74400	1.69490	-9.04910	-12.43890
4.591	24.430	.53100	.31280	.00170	1.69760	-.03590	-.03460	-10.76640	1.74080	-9.02550	-12.50720
4.591	25.260	.55510	.33350	.00120	1.66430	-.03670	-.03420	-10.85130	1.73930	-9.11190	-12.59060
4.591	26.070	.57890	.35500	.00180	1.63070	-.03690	-.03410	-10.93540	1.78410	-9.15120	-12.71950
4.591	26.900	.60190	.37690	.00200	1.59690	-.03570	-.03460	-10.91900	1.83840	-9.08050	-12.75750
4.591	27.720	.62510	.40000	.00220	1.56280	-.03540	-.03460	-10.98510	1.81030	-9.17470	-12.79540
4.591	28.520	.64820	.42340	.00150	1.53070	-.03540	-.03250	-11.03950	1.77850	-9.26110	-12.81810
4.591	29.330	.67020	.44750	.00040	1.49730	-.03740	-.03370	-11.05090	1.78200	-9.27680	-12.84090
4.591	30.130	.69350	.47330	-.00070	1.46510	-.03690	-.03410	-11.10570	1.75030	-9.35530	-12.85610
4.591	30.930	.71460	.49870	-.00120	1.43280	-.03690	-.03370	-11.19850	1.74100	-9.45740	-12.93950
4.591	31.730	.73680	.52560	-.00200	1.40170	-.03690	-.03240	-11.28780	1.70470	-9.58310	-12.99260
4.591	32.510	.75750	.55280	-.00260	1.37020	-.03660	-.03200	-11.29920	1.71610	-9.58310	-13.01530

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0057)

PARAMETRIC DATA

ELEVON =	-10.000	AILRON =	2.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	ALFSNP =	1.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 83/ 0 RN/L = 15.26

MACH	ALPHA	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
4.591	33.300	.77830	.58130	-.00480	1.33880	-.03690	-.03240	-11.29890	1.73150	-9.56740	-13.03050
4.591	34.060	.79670	.60870	-.00520	1.30890	-.03510	-.03410	-11.32170	1.75420	-9.56740	-13.07600
4.591	34.630	.81110	.63000	-.00600	1.28730	-.03560	-.03160	-11.37210	1.74180	-9.63020	-13.11390

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD1011)

PARAMETRIC DATA

ALPHA	=	6.000	AILRON	=	.000
SPDBRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSPOS	=	.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO.		30/ 0	RN/L = 5.04									
MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R	
.595	-31.457	-.09890	.09920	.17320	-.99680	-.17810	-.18590	5.89000	-1.37840	-32.83580	-30.07890	
.595	-30.695	-.09660	.09740	.17210	-.99210	-.17190	-.18170	5.89000	-1.22240	-31.91700	-29.47210	
.596	-29.873	-.09340	.09610	.17130	-.97160	-.17650	-.17710	5.90000	-1.21960	-31.09250	-28.65310	
.595	-29.272	-.09200	.09490	.17010	-.97030	-.17150	-.17740	5.89000	-1.28630	-30.55850	-27.98570	
.596	-28.519	-.08650	.09340	.16960	-.92590	-.17940	-.17990	5.91000	-1.21530	-29.73390	-27.30320	
.596	-27.896	-.08350	.09160	.16810	-.91160	-.17380	-.17500	5.91000	-1.12340	-29.01930	-26.77230	
.597	-27.221	-.07710	.09040	.16750	-.85340	-.17490	-.17340	5.92000	-1.13090	-28.35180	-26.08980	
.597	-26.490	-.07660	.08890	.16680	-.86180	-.17330	-.17080	5.91000	-1.02170	-27.51150	-25.46790	
.596	-25.852	-.07260	.08730	.16560	-.83220	-.16470	-.16630	5.91000	-.95270	-26.80470	-24.89910	
.596	-25.112	-.06990	.08620	.16510	-.81040	-.17150	-.16530	5.92000	-.75850	-25.87020	-24.35310	
.596	-24.401	-.06590	.08450	.16510	-.77950	-.16920	-.16490	5.91000	-.71530	-25.11630	-23.68570	
.596	-23.811	-.06400	.08340	.16390	-.76790	-.16620	-.15830	5.92000	-.92870	-24.73940	-22.88180	
.596	-22.703	-.05100	.07810	.15870	-.66280	-.16540	-.15600	5.92000	.84590	-21.85730	-23.54920	
.596	-20.781	-.03980	.07380	.15440	-.53920	-.15970	-.15030	5.92000	.69810	-20.08260	-21.47380	
.597	-17.827	-.02580	.07060	.14940	-.36550	-.16090	-.13860	5.93000	-.92850	-18.75540	-16.89820	
.597	-17.293	-.01230	.06680	.14370	-.18490	-.16030	-.13570	5.94000	.24190	-17.05130	-17.53530	
.595	-15.261	.01300	.06300	.13150	.20630	-.16200	-.13310	5.94000	.64390	-14.61690	-15.90470	
.596	-12.817	.02130	.06250	.12760	.34180	-.16130	-.13380	5.94000	-.83350	-13.65090	-11.98390	
.597	-10.852	.05960	.06070	.11090	.98070	-.16050	-.13010	5.95000	-.05070	-10.90240	-10.80080	
.597	-10.015	.06740	.06070	.10600	1.11090	-.16530	-.12990	5.96000	-.27530	-10.28990	-9.73910	
.597	-9.385	.07990	.06070	.10180	1.31520	-.16050	-.13010	5.95000	-.23730	-9.62240	-9.14760	
.597	-8.873	.09000	.06060	.09710	1.48400	-.16250	-.13010	5.97000	-.30940	-9.18260	-8.56360	
.596	-8.090	.10040	.06090	.09230	1.64750	-.16740	-.13460	5.98000	-.08740	-8.17740	-8.00240	
.595	-7.352	.11080	.06130	.08810	1.80610	-.17000	-.13670	5.96000	-.02440	-7.37640	-7.32750	
.596	-6.918	.11980	.06140	.08160	1.95090	-.16660	-.13450	5.97000	-.15960	-7.07800	-6.75870	
.597	-6.238	.12980	.06160	.07650	2.10470	-.16360	-.12860	5.98000	-.09370	-6.33200	-6.14440	
.596	-5.582	.14220	.06250	.07260	2.27450	-.17180	-.13820	5.97000	-.29450	-5.87650	-5.28740	
.598	-4.902	.15010	.06250	.06630	2.40080	-.16720	-.13210	5.99000	-.22090	-5.12260	-4.68070	
.598	-4.285	.16470	.06330	.06040	2.59810	-.17100	-.13280	5.99000	-.28730	-4.57290	-3.99820	
.595	-3.677	.17570	.06440	.05650	2.72720	-.17390	-.14010	5.98000	-.12620	-3.80330	-3.55070	
.595	-3.042	.18720	.06530	.05150	2.86580	-.17670	-.14560	5.98000	.00820	-3.03370	-3.05020	
.596	-2.234	.19470	.06530	.04530	2.98110	-.17090	-.14210	5.98000	.08790	-2.14630	-2.32220	
.596	-1.561	.20690	.06670	.04130	3.09750	-.17500	-.14120	6.00000	.21540	-1.34530	-1.77610	
.596	-.918	.21930	.06780	.03560	3.23070	-.17760	-.14680	5.99000	.34230	-.57570	-1.26040	
.599	-.321	.22930	.06860	.03040	3.33900	-.17840	-.14560	6.01000	.26400	-.05740	-.58550	
.599	.311	.24270	.07030	.02430	3.44900	-.17850	-.14200	6.01000	.03200	.34300	.27900	
.599	.867	.25470	.07160	.01830	3.55400	-.17760	-.14700	6.00000	-.13960	.72780	1.00700	
.597	1.592	.26300	.07220	.01240	3.63830	-.18130	-.14880	6.01000	.02340	1.61520	1.56820	
.590	2.376	.27610	.07430	.00790	3.71320	-.18180	-.15170	6.00000	.32260	2.69890	2.05360	
.589	2.956	.28250	.07470	.00170	3.78000	-.18010	-.14700	6.02000	.16680	3.12300	2.78920	
.590	3.417	.29910	.07680	-.00210	3.89240	-.17890	-.14990	6.01000	.05910	3.47630	3.35800	
.598	4.074	.30560	.07830	-.00770	3.90100	-.18320	-.15020	6.01000	.12460	4.19880	3.94950	

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD101)

PARAMETRIC DATA

ALPHA =	6.000	AILRON =	.000
SPDBRK =	25.000	RN/L =	5.000
GRITNO =	120.000	RCSP05 =	.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 30/ 0 RN/L = 5.04

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
.611	4.649	.31550	.07990	-.01200	3.94540	-.18400	-.15510	6.03000	.14620	4.79570	4.50320

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TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0102)

PARAMETRIC DATA

ALPHA	=	13.000	AILRON	=	.000
SPDRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSP05	=	.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 31/ 0 RN/L = 5.03

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
.590	-26.931	.24400	.11540	.16750	2.11400	-.20940	-.21620	12.58000	-1.98620	-28.91720	-24.94460
.592	-26.598	.24810	.11490	.16730	2.15940	-.19500	-.20580	12.57000	-1.90330	-28.50100	-24.69440
.593	-25.789	.25480	.11390	.16710	2.23550	-.18900	-.20000	12.60000	-1.77730	-27.56650	-24.01180
.595	-25.126	.25860	.11260	.16610	2.29570	-.18830	-.19680	12.60000	-1.78880	-26.91470	-23.33690
.594	-24.207	.26490	.11210	.16500	2.36210	-.18890	-.19590	12.62000	-1.74200	-25.94870	-22.45470
.595	-23.411	.26480	.10940	.16330	2.42040	-.18150	-.18550	12.61000	-1.68180	-25.09280	-21.72910
.595	-22.939	.27200	.10890	.16100	2.49690	-.18800	-.18950	12.62000	-1.83170	-24.77080	-21.10720
.596	-22.225	.27420	.10750	.16030	2.55010	-.18630	-.18540	12.62000	-1.83090	-24.05620	-20.39430
.595	-20.044	.29330	.10300	.15420	2.84620	-.17780	-.16790	12.63000	-.87080	-20.91500	-19.17340
.594	-17.769	.31130	.10180	.15000	3.05780	-.18170	-.15980	12.63000	-1.35580	-19.12450	-16.41290
.593	-15.739	.35420	.09980	.13080	3.54640	-.17750	-.14280	12.65000	.89400	-14.84460	-16.63280
.596	-14.540	.36130	.09940	.12390	3.63370	-.16870	-.13780	12.65000	.40180	-14.13780	-14.94160
.597	-11.666	.38120	.10070	.11490	3.78280	-.16740	-.13280	12.65000	-1.38050	-13.04630	-10.28510
.595	-10.826	.39650	.10240	.11120	3.87190	-.17340	-.13810	12.66000	-1.23080	-12.05680	-9.59500
.594	-10.043	.40750	.10370	.10700	3.92610	-.17920	-.13960	12.67000	-1.04740	-11.09090	-8.99590
.593	-9.433	.41550	.10450	.10250	3.97500	-.17780	-.13960	12.67000	-.99820	-10.43120	-8.43470
.594	-8.785	.42900	.10610	.09720	4.04160	-.17490	-.14040	12.68000	-.97920	-9.76370	-7.80520
.594	-8.257	.43820	.10730	.09170	4.08120	-.18050	-.13970	12.68000	-1.05100	-9.30820	-7.20610
.595	-7.401	.44880	.10880	.08690	4.12250	-.17660	-.13730	12.69000	-.85470	-8.25590	-6.54630
.594	-6.721	.46290	.11110	.08220	4.16640	-.17780	-.14150	12.69000	-.80430	-7.52560	-5.91690
.596	-6.072	.47030	.11200	.07620	4.19660	-.17710	-.13550	12.68000	-.98200	-7.05440	-5.09020
.596	-5.458	.47900	.11290	.07030	4.24120	-.17960	-.13870	12.68000	-.92120	-6.37910	-4.53660
.594	-4.930	.49390	.11600	.06600	4.25660	-.17760	-.14370	12.70000	-.98530	-5.91570	-3.94510
.593	-4.291	.50850	.11840	.06070	4.29280	-.18670	-.14370	12.69000	-.84680	-5.13830	-3.44460
.593	-3.697	.51950	.12050	.05530	4.30960	-.18460	-.14630	12.69000	-.80560	-4.50220	-2.89090
.594	-3.003	.53020	.12240	.04870	4.33120	-.18930	-.14540	12.69000	-.83980	-3.84250	-2.16290
.595	-2.252	.54510	.12570	.04340	4.33660	-.18980	-.14530	12.70000	-.69550	-2.94730	-1.55620
.598	-1.635	.55440	.12740	.03700	4.35140	-.17960	-.13920	12.71000	-.51890	-2.15420	-1.11630
.594	-.725	.56750	.13060	.03030	4.34230	-.18760	-.14880	12.71000	-.51070	-1.23530	-.21390
.596	-.054	.57570	.13220	.02470	4.35450	-.18390	-.14420	12.72000	-.54530	-.59930	.49130
.593	.565	.58990	.13550	.01990	4.35250	-.19290	-.15110	12.70000	-.67730	-.11240	1.24210
.594	1.019	.60250	.13860	.01360	4.34460	-.18900	-.14550	12.72000	-.72330	.29590	1.74270
.593	1.590	.61490	.14170	.00850	4.33700	-.19190	-.15110	12.71000	-.75200	.83770	2.34180
.594	2.440	.62350	.14420	.00340	4.32280	-.19270	-.15440	12.72000	-.64450	1.79580	3.08500
.597	3.255	.63570	.14780	-.00260	4.29990	-.18740	-.14960	12.73000	-.36800	2.88740	3.62340
.599	3.777	.64590	.15100	-.00980	4.27640	-.18960	-.15100	12.74000	-.53640	3.24070	4.31360
.598	4.476	.65670	.15420	-.01530	4.25730	-.19610	-.15750	12.74000	-.52030	3.95540	4.99610
.593	5.048	.67040	.15800	-.02050	4.24110	-.19870	-.16030	12.72000	-.47180	4.57580	5.51940
.592	5.599	.67140	.15850	-.02520	4.23580	-.19470	-.15620	12.73000	-.49690	5.10190	6.09580
.588	6.006	.68530	.16210	-.02900	4.22780	-.19670	-.16040	12.73000	-.37020	5.63590	6.37640
.591	6.602	.69670	.16560	-.03430	4.20590	-.19680	-.15900	12.73000	-.25170	6.35050	6.85410
.597	7.340	.71210	.17130	-.04100	4.15750	-.19780	-.16070	12.74000	-.22730	7.11230	7.56700

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD102)

PARAMETRIC DATA

ALPHA	=	13.000	AILRON	=	.000
SPDRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSP05	=	.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 31/ 0 RN/L = 5.03

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
.607	7.953	.72370	.17660	-.04830	4.09690	-.19870	-.15870	12.77000	-.23590	7.71700	8.18890
.612	8.537	.73680	.18250	-.05520	4.03670	-.20420	-.16860	12.76000	-.14470	8.39230	8.68180
.616	9.123	.74820	.18760	-.06250	3.98820	-.20860	-.16750	12.78000	.02360	9.14620	9.09890

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD103)

PARAMETRIC DATA

ALPHA = 6.000 ELEVON = .000
 SPOBRK = 25.000 RN/L = 5.000
 GRITNO = 120.000 RCSP05 = .000
 BETA = .000 BOFLAP = .000
 RUDDER = .000

RUN NO. 32/ 0 RN/L = 5.07

MACH	ATLRON	CL	CD	CLM	L/D	CPC	CP8	ELEVON	ALPHAN	ELVN-L	ELVN-R
.599	-9.708	.22800	.07740	.02860	2.94320	-.18620	-.16390	-.50310	6.02000	-10.21130	9.20510
.601	-9.249	.23070	.07650	.02850	3.01650	-.18070	-.15670	-.52210	6.03000	-9.77160	8.72730
.601	-8.899	.23160	.07560	.02740	3.06280	-.18300	-.15320	-.55070	6.03000	-9.44960	8.34810
.600	-8.278	.23510	.07510	.02720	3.12670	-.18220	-.15290	-.31610	6.03000	-8.59360	7.96140
.599	-7.569	.23570	.07460	.02730	3.15780	-.18530	-.15760	-.15320	6.02000	-7.72190	7.41530
.599	-7.018	.23610	.07380	.02610	3.19870	-.18600	-.15550	-.21690	6.03000	-7.23500	6.80100
.599	-6.593	.23540	.07320	.02630	3.21620	-.18200	-.15580	-.42170	6.03000	-7.01520	6.17160
.599	-5.943	.23370	.07240	.02600	3.22520	-.18050	-.15370	-.29460	6.03000	-6.23770	5.64830
.599	-5.481	.23530	.07180	.02610	3.27410	-.18810	-.14910	-.32520	6.03000	-5.80580	5.15540
.598	-4.909	.23840	.07130	.02500	3.34270	-.18750	-.15630	-.30750	6.01000	-5.21680	4.60180
.600	-4.300	.23900	.07120	.02530	3.35660	-.18400	-.14730	-.31230	6.03000	-4.61210	3.98750
.599	-3.809	.23560	.07030	.02490	3.35150	-.18530	-.15280	-.24590	6.04000	-4.05460	3.56280
.598	-3.167	.23940	.07030	.02460	3.40300	-.19040	-.15060	-.16520	6.03000	-3.33210	3.00160
.600	-2.409	.23680	.06980	.02470	3.39320	-.18840	-.14800	-.05170	6.03000	-2.46040	2.35590
.600	-1.752	.23770	.06970	.02540	3.41010	-.18830	-.15190	-.02480	6.01000	-1.77720	1.72750
.599	-1.202	.23910	.06970	.02570	3.43050	-.19240	-.14950	.13900	6.03000	-1.06260	1.34070
.599	-.708	.23070	.06960	.02620	3.42830	-.19010	-.15410	.10900	6.03000	-.59930	.81740
.602	-.177	.23730	.06930	.02600	3.42380	-.18760	-.14790	.05660	6.02000	-.12020	.23350
.602	.314	.23810	.06960	.02640	3.42030	-.18330	-.14840	-.10450	6.01000	.20950	-.41860
.600	.856	.23630	.06930	.02560	3.40850	-.18870	-.15210	-.23780	6.02000	.61790	-1.09360
.597	1.398	.24120	.07060	.02700	3.41450	-.19490	-.15690	-.11260	6.03000	1.28540	-1.51070
.600	2.010	.23980	.07050	.02550	3.40150	-.18840	-.15010	.01370	6.02000	2.02350	-1.99610
.600	2.831	.24100	.07050	.02540	3.41460	-.19030	-.15100	.17460	6.02000	3.00520	-2.65580
.602	3.274	.23860	.07070	.02460	3.37300	-.18640	-.15030	-.07220	6.02000	3.20150	-3.34600
.601	3.801	.23920	.07120	.02510	3.35630	-.18890	-.14960	.06040	6.02000	3.86110	-3.74030
.597	4.315	.24030	.07190	.02650	3.34080	-.19660	-.15930	.10400	6.04000	4.41870	-4.21050
.599	4.855	.23750	.07180	.02570	3.30480	-.19010	-.16040	.12120	6.02000	4.97630	-4.73380
.600	5.355	.23620	.07240	.02610	3.25920	-.19220	-.15760	.04500	6.01000	5.40030	-5.31020
.598	6.023	.23730	.07370	.02570	3.22030	-.19640	-.16190	.04510	6.03000	6.06780	-5.97750
.600	6.705	.23610	.07370	.02640	3.20070	-.19140	-.16380	.21130	6.01000	6.91600	-6.49320
.598	7.261	.23830	.07530	.02580	3.16280	-.19300	-.16570	.27500	6.03000	7.53630	-6.98620
.601	7.767	.23610	.07530	.02560	3.13370	-.18260	-.15950	.27230	6.01000	8.03890	-7.49430
.596	8.468	.23620	.07650	.02560	3.08490	-.19160	-.16750	.44270	6.03000	8.91060	-8.02520
.596	8.887	.23790	.07760	.02600	3.06400	-.19610	-.16960	.33810	6.04000	9.22470	-8.54850
.601	9.435	.23190	.07760	.02420	2.98710	-.18360	-.16670	.34770	6.01000	9.78230	-9.08690
.601	9.898	.23190	.07860	.02480	2.94910	-.18490	-.16680	.34800	6.01000	10.24560	-9.54950
.603	10.489	.23250	.07960	.02510	2.91900	-.18740	-.16790	.39300	6.02000	10.88170	-10.09560
.602	11.230	.23550	.08060	.02480	2.92250	-.18930	-.17320	.44460	6.01000	11.67490	-10.78570
.602	11.787	.23340	.08190	.02420	2.85000	-.18710	-.16740	.49280	6.02000	12.27960	-11.29380
.597	12.190	.23970	.08300	.02380	2.86580	-.19080	-.18130	.37250	6.01000	12.56230	-11.81710
.594	12.750	.23660	.08510	.02330	2.77830	-.19170	-.17900	.22800	6.03000	12.97850	-12.52240

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD104)

PARAMETRIC DATA

ALPHA	=	13.000	ELEVON	=	.000
SPDBRK	=	25.000	RN/L	=	5.000
GR1 TNO	=	120.000	RCSPOS	=	.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 33/ 0 RN/L = 5.09

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
.604	-13.358	.56670	.15110	.02390	3.74860	-.18500	-.15710	-1.40000	12.76000	-14.75820	11.95800
.603	-13.021	.56690	.14930	.02450	3.79530	-.18750	-.15600	-1.56390	12.74000	-14.58540	11.45750
.604	-12.468	.56370	.14740	.02490	3.82470	-.18360	-.15050	-1.47330	12.76000	-13.94150	10.99490
.602	-11.845	.56500	.14600	.02640	3.86890	-.18320	-.15200	-1.35820	12.76000	-13.20330	10.48680
.604	-11.507	.56330	.14410	.02650	3.90710	-.18000	-.14760	-1.44490	12.75000	-12.95200	10.06210
.604	-10.908	.56060	.14220	.02710	3.94140	-.18100	-.14560	-1.40750	12.75000	-12.31590	9.50090
.604	-10.150	.56130	.14090	.02750	3.98330	-.17990	-.14610	-1.27850	12.74000	-11.42850	8.87140
.604	-9.653	.55920	.13940	.02860	4.01060	-.17690	-.14420	-1.11550	12.74000	-10.76890	8.53770
.604	-9.154	.55910	.13830	.02880	4.04230	-.18050	-.14350	-1.00260	12.76000	-10.15640	8.15100
.604	-8.694	.56010	.13730	.02890	4.07660	-.17890	-.13900	-.95990	12.76000	-9.65380	7.73390
.603	-8.144	.55930	.13650	.02880	4.09500	-.18140	-.14240	-1.05450	12.74000	-9.19830	7.08920
.604	-7.350	.55680	.13480	.02930	4.12930	-.17800	-.14390	-.90560	12.76000	-8.25590	6.44460
.602	-6.755	.56340	.13570	.03040	4.15090	-.18460	-.14350	-.81810	12.75000	-7.57270	5.93650
.604	-6.246	.56090	.13410	.02960	4.18200	-.18290	-.14080	-.86320	12.75000	-7.10940	5.38290
.602	-5.877	.56390	.13460	.02990	4.18890	-.18480	-.14370	-.96480	12.76000	-6.84240	4.91270
.603	-5.201	.56200	.13330	.02940	4.21630	-.18490	-.14270	-.89510	12.75000	-6.09640	4.30600
.602	-4.755	.56410	.13310	.02910	4.23730	-.18690	-.14360	-.94910	12.76000	-5.70370	3.80550
.603	-4.139	.56620	.13290	.02910	4.25880	-.18430	-.14590	-.83420	12.76000	-4.97340	3.30490
.602	-3.588	.56840	.13310	.02970	4.27030	-.18560	-.14240	-.83610	12.77000	-4.42370	2.75130
.602	-2.944	.56840	.13250	.02830	4.28760	-.18130	-.14370	-.89050	12.77000	-3.83470	2.05360
.602	-2.317	.56730	.13210	.02840	4.29490	-.18450	-.14110	-.77930	12.78000	-3.09650	1.53790
.603	-1.672	.56520	.13110	.02750	4.30790	-.17970	-.14000	-.53650	12.76000	-2.20910	1.13600
.605	-1.023	.56430	.13070	.02740	4.31610	-.17580	-.13630	-.47890	12.76000	-1.50240	.54440
.603	-.432	.56860	.13160	.02760	4.32040	-.18380	-.13730	-.41850	12.77000	-.85060	.01350
.603	.164	.56940	.13190	.02780	4.31640	-.18220	-.13780	-.52770	12.77000	-.36370	-.69160
.604	.648	.56730	.13120	.02730	4.32150	-.17810	-.14130	-.63500	12.76000	.01320	-1.28320
.604	.971	.56750	.13140	.02660	4.31680	-.18170	-.14120	-.72190	12.76000	.24880	-1.69270
.605	1.488	.56620	.13130	.02730	4.31050	-.18180	-.13860	-.71290	12.76000	.77490	-2.20080
.604	2.242	.56770	.13210	.02660	4.29700	-.17760	-.14040	-.61100	12.77000	1.63090	-2.85300
.603	2.900	.56690	.13250	.02650	4.27830	-.17890	-.14000	-.46840	12.77000	2.43190	-3.36870
.604	3.430	.57030	.13310	.02660	4.28240	-.17950	-.13950	-.37810	12.77000	3.05230	-3.80860
.601	3.752	.57230	.13400	.02650	4.26830	-.18880	-.14530	-.51140	12.76000	3.24080	-4.26360
.603	4.380	.56830	.13390	.02620	4.24390	-.17790	-.14350	-.36930	12.77000	4.01030	-4.74900
.603	5.015	.56790	.13420	.02610	4.23090	-.18220	-.14350	-.42380	12.77000	4.59150	-5.43910
.603	5.528	.56710	.13460	.02580	4.21330	-.18220	-.14650	-.44950	12.76000	5.07840	-5.97750
.604	5.961	.56820	.13560	.02630	4.19010	-.18100	-.14480	-.60790	12.76000	5.35320	-6.56910
.605	6.549	.56780	.13640	.02600	4.16060	-.18120	-.14600	-.52820	12.77000	6.02070	-7.07720
.605	7.180	.56830	.13730	.02560	4.13790	-.18280	-.14700	-.42850	12.76000	6.75100	-7.60810
.605	7.697	.56770	.13830	.02570	4.10510	-.18410	-.14900	-.37310	12.77000	7.32430	-8.07070
.603	8.241	.56940	.13970	.02500	4.07580	-.18620	-.15210	-.40610	12.77000	7.83480	-8.64700
.602	8.785	.57000	.14080	.02470	4.04650	-.19070	-.15370	-.40820	12.76000	8.37660	-9.19310
.600	9.349	.57270	.14220	.02400	4.02590	-.18510	-.15640	-.32890	12.76000	9.02060	-9.67840

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD104)

PARAMETRIC DATA

ALPHA	=	13.000	ELEVON	=	.000
SPDRK	=	25.000	RN/L	=	5.000
GRITNO	=	120.000	RCSPDS	=	.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 33/ 0 RN/L = 5.09

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
.597	9.830	.56730	.14210	.02300	3.99220	-.18740	-.15460	-.40920	12.77000	9.42110	-10.23960
.599	10.548	.56700	.14340	.02170	3.95320	-.18360	-.15570	-.42760	12.77000	10.12000	-10.97530
.603	11.077	.57320	.14630	.02070	3.91690	-.18600	-.15580	-.35280	12.77000	10.72470	-11.43030
.608	11.779	.57710	.14920	.01940	3.86740	-.18150	-.16070	-.17460	12.79000	11.60420	-11.95360
.615	12.397	.57930	.15240	.01680	3.80010	-.18810	-.16080	-.10980	12.78000	12.28740	-12.50720

LA67 (LTV 552) ORBITER 49-0

(SFD105)

PARAMETRIC DATA

ALPHA	=	.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 72/ 0 RN/L = 17.46

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
4.591	-20.193	-.07220	.09610	.00090	-.75170	-.02630	-.03170	.32000	.76230	-19.43080	-20.95550
4.591	-18.460	-.06970	.09550	.00020	-.72960	-.02660	-.03310	.34000	-.07540	-18.53550	-18.39460
4.591	-17.515	-.06790	.09510	.00000	-.71430	-.02660	-.02970	.35000	-.74560	-18.26070	-16.76930
4.591	-17.295	-.07020	.09500	-.00040	-.73910	-.02660	-.03180	.35000	-.71480	-18.00940	-16.57970
4.591	-17.086	-.06740	.09480	-.00030	-.71110	-.02660	-.03140	.36000	-.70340	-17.78950	-16.39250
4.591	-15.638	-.06490	.09360	-.00310	-.69390	-.02640	-.03060	.33000	.89580	-14.74250	-16.53420
4.591	-14.227	-.06440	.09340	-.00340	-.68930	-.02570	-.02930	.33000	-.46840	-14.69540	-13.75850
4.591	-13.957	-.06400	.09310	-.00350	-.68700	-.02620	-.03270	.35000	-.44820	-14.40480	-13.50830
4.591	-13.686	-.06240	.09290	-.00300	-.67210	-.02640	-.02980	.34000	-.40490	-14.09070	-13.28070
4.591	-13.348	-.06290	.09290	-.00320	-.67690	-.02640	-.03100	.34000	-.29490	-13.64310	-13.05320
4.591	-12.937	-.06260	.09230	-.00410	-.67830	-.02670	-.02940	.33000	-.38420	-13.32110	-12.55270
4.591	-12.663	-.06230	.09210	-.00430	-.67680	-.02500	-.03190	.34000	-.39100	-13.05410	-12.27210
4.591	-12.385	-.06020	.09220	-.00510	-.65300	-.02640	-.02850	.32000	-.37840	-12.76360	-12.00670
4.591	-11.962	-.06140	.09190	-.00520	-.66820	-.02540	-.03270	.34000	-.44050	-12.40230	-11.52130
4.591	-11.505	-.06000	.09200	-.00480	-.65190	-.02540	-.03190	.35000	-.36300	-11.86830	-11.14210
4.591	-11.000	-.06010	.09190	-.00610	-.65420	-.02470	-.03060	.35000	-.14590	-11.14580	-10.85390
4.591	-10.555	-.05820	.09150	-.00570	-.63660	-.02650	-.03070	.34000	-.05710	-10.61180	-10.49750
4.591	-10.186	-.05890	.09150	-.00640	-.64360	-.02620	-.02940	.34000	-.13560	-10.32130	-10.05000
4.591	-9.908	-.05810	.09130	-.00680	-.63660	-.02520	-.03230	.33000	-.15390	-10.06210	-9.75430
4.591	-9.674	-.05770	.09130	-.00740	-.63140	-.02670	-.02940	.33000	-.20770	-9.88150	-9.46610
4.591	-9.349	-.05720	.09110	-.00720	-.62800	-.02600	-.02900	.34000	-.36790	-9.71660	-8.98070
4.591	-9.036	-.05650	.09090	-.00750	-.62110	-.02520	-.02900	.35000	-.33540	-9.37110	-8.70010
4.591	-8.742	-.05670	.09080	-.00770	-.62460	-.02530	-.03030	.34000	-.33030	-9.07260	-8.41190
4.591	-8.515	-.05570	.09050	-.00770	-.61600	-.02530	-.03070	.34000	-.33020	-8.84490	-8.18440
4.591	-8.169	-.05640	.09050	-.00830	-.62380	-.02450	-.03070	.34000	-.22770	-8.39730	-7.94180
4.591	-7.657	-.05460	.09050	-.00800	-.60410	-.02450	-.03070	.34000	-.06450	-7.72190	-7.59290
4.591	-7.360	-.05300	.09040	-.00850	-.58630	-.02480	-.03030	.34000	-.05540	-7.41570	-7.30470
4.591	-7.087	-.05360	.09020	-.00860	-.59380	-.02480	-.03070	.34000	-.10850	-7.19580	-6.97860
4.591	-6.710	-.05220	.09020	-.00920	-.57910	-.02600	-.02900	.34000	-.39900	-7.10940	-6.31120
4.591	-5.493	-.05170	.08930	-.01100	-.57920	-.02480	-.03070	.33000	.16610	-5.32680	-5.65300
4.591	-3.912	-.05120	.08950	-.01110	-.57220	-.02580	-.02820	.34000	-.96750	-4.87920	-2.94400
4.591	-3.348	-.04840	.08930	-.01270	-.54160	-.02450	-.03000	.33000	-.07030	-3.41850	-3.27770
4.591	-3.097	-.04850	.08890	-.01230	-.54570	-.02550	-.02960	.34000	-.04670	-3.14360	-3.05020
4.591	-2.673	-.04840	.08890	-.01230	-.54510	-.02390	-.02870	.34000	.14200	-2.53110	-2.81510
4.591	-2.455	-.04830	.08880	-.01250	-.54410	-.02440	-.02830	.34000	.04160	-2.41330	-2.49660
4.591	-2.060	-.04870	.08950	-.01350	-.54430	-.02510	-.03070	.33000	.10250	-1.95780	-2.16290
4.591	-1.763	-.04920	.09060	-.01370	-.54260	-.02420	-.02940	.33000	.14240	-1.62010	-1.90500
4.591	-1.429	-.05120	.09110	-.01360	-.56170	-.02370	-.02800	.33000	.22540	-1.20390	-1.65480
4.591	-1.111	-.05030	.09020	-.01270	-.55720	-.02370	-.02790	.32000	.32350	-.78770	-1.43490
4.591	-.863	-.05150	.09170	-.01410	-.56220	-.02260	-.02610	.33000	.39730	-.46580	-1.26040
4.591	-.655	-.05100	.09190	-.01550	-.55490	-.02170	-.02470	.34000	.37000	-.28510	-1.02530
4.591	-.390	-.05020	.09020	-.01330	-.55650	-.02280	-.02750	.34000	.34000	-.04950	-.72960

TABULATED SOURCE DATA, LTV TEST 552, LAG7

PAGE 399

LAG7 (LTV 552) ORBITER 49-0

(SFD105)

PARAMETRIC DATA

ALPHA	=	.000	AILRON	=	.000
SPOBRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 72/ 0 RN/L = 17.46

MACH	ELEVON	CL	CD	GLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
4.591	-.056	-.05010	.09110	-.01570	-.55050	-.02120	-.02660	.32000	.21070	.15450	-.26690
4.591	.198	-.05130	.09290	-.01690	-.55180	-.02220	-.02660	.32000	.19200	.39010	.00600
4.591	.401	-.04910	.09140	-.01480	-.53750	-.02180	-.02670	.35000	.08370	.48440	.31690

ORIGINAL PAGE IS
OF POOR QUALITY

LA67 (LTV 552) ORBITER 49-0

(SFD106)

PARAMETRIC DATA

ALPHA =	.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	16.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 73/ 0 RN/L = 16.32

MACH	ELEVON	CL	CO	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
4.591	.305	-.05200	.09250	-.01160	-.56230	-.02520	-.03210	.28000	-.11080	.19380	.41550
4.591	.586	-.05190	.09280	-.01310	-.55950	-.02730	-.03220	.28000	-.14060	.44510	.72640
4.591	.837	-.04800	.08980	-.01250	-.53530	-.02860	-.03350	.29000	-.12470	.71210	.96150
4.591	1.177	-.04870	.09140	-.01290	-.53350	-.02970	-.03440	.28000	-.07240	1.10470	1.24970
4.591	1.382	-.05030	.09070	-.01290	-.55480	-.02830	-.03150	.29000	-.07270	1.30890	1.45450
4.591	1.789	-.04740	.09110	-.01290	-.52050	-.02910	-.03290	.28000	.05390	1.84290	1.73510
4.591	2.047	-.04330	.08940	-.01290	-.48440	-.02900	-.03170	.29000	.01590	2.06280	2.03080
4.591	2.499	-.04400	.09000	-.01370	-.48970	-.02990	-.03360	.28000	.05850	2.55750	2.44040
4.591	2.727	-.04290	.09000	-.01380	-.47640	-.03000	-.03280	.29000	.11270	2.84020	2.61480
4.591	3.105	-.04220	.08960	-.01400	-.47140	-.03180	-.03410	.29000	.08840	3.19360	3.01670
4.591	3.475	-.04410	.08970	-.01460	-.49180	-.03140	-.03420	.30000	-.15580	3.31930	3.63100
4.591	3.878	-.04390	.08990	-.01590	-.48870	-.03110	-.03500	.28000	-.06390	3.81400	3.94200
4.591	4.118	-.04340	.08980	-.01540	-.48360	-.03140	-.03420	.30000	-.02890	4.08890	4.14670
4.591	4.482	-.04370	.09000	-.01600	-.48620	-.03030	-.03240	.29000	.05450	4.53650	4.42730
4.591	4.694	-.04330	.09020	-.01580	-.48030	-.02980	-.03450	.28000	.02350	4.71710	4.67000
4.591	5.016	-.04340	.09030	-.01640	-.48020	-.03180	-.03570	.28000	-.05560	4.96060	5.07190
4.591	5.260	-.04420	.09040	-.01620	-.48910	-.03100	-.03490	.28000	-.00890	5.25110	5.26910
4.591	5.573	-.04130	.09040	-.01620	-.45740	-.03180	-.03610	.28000	.03110	5.60450	5.54210
4.591	5.789	-.04340	.09050	-.01600	-.47980	-.03180	-.03610	.28000	.01950	5.80870	5.76970
4.591	5.990	-.04370	.09040	-.01640	-.48340	-.03050	-.03320	.28000	.03840	6.02860	5.95170
4.591	6.219	-.04190	.09040	-.01660	-.46380	-.03170	-.03610	.29000	.09250	6.31130	6.12610
4.591	6.470	-.04290	.09050	-.01720	-.47440	-.03170	-.03400	.29000	.09310	6.56260	6.37640
4.591	6.713	-.04280	.09060	-.01680	-.47240	-.03240	-.03400	.29000	.13200	6.84530	6.58110
4.591	6.930	-.04220	.09070	-.01760	-.46610	-.03090	-.03310	.28000	.18980	7.12010	6.74040
4.591	7.243	-.04050	.09050	-.01730	-.44760	-.03170	-.03400	.30000	.21460	7.45780	7.02860
4.591	7.582	-.04040	.09060	-.01770	-.44670	-.03200	-.03610	.29000	.20510	7.78760	7.37740
4.591	7.921	-.04000	.09090	-.01820	-.44060	-.03220	-.03650	.28000	.14920	8.07040	7.77180
4.591	8.208	-.04120	.09090	-.01880	-.45340	-.03120	-.03350	.29000	.21600	8.42370	7.99170
4.591	8.634	-.04020	.09090	-.01860	-.44190	-.03050	-.03480	.29000	.30060	8.93420	8.33300
4.591	8.916	-.03990	.09130	-.01940	-.43770	-.03090	-.03480	.28000	.33250	9.24830	8.58320

TABULATED SOURCE DATA. LTV TEST 552. LA67

PAGE 401

LA67 (LTV 552) ORBITER 49-0

(SFD107)

PARAMETRIC DATA

ALPHA	=	10.000	AILRON	=	.000
SPDBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 123/ 0 RN/L = 8.08

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
1.510	-13.587	.34490	.22060	.01950	1.56350	-.27250	-.33660	9.58000	-1.15550	-14.74250	-12.43140
1.510	-13.064	.34480	.21930	.01760	1.57250	-.27040	-.33590	9.57000	-1.01910	-14.08290	-12.04460
1.510	-12.551	.34670	.21820	.01610	1.58820	-.27070	-.33260	9.58000	-1.02940	-13.58030	-11.52130
1.510	-12.069	.34850	.21750	.01410	1.60200	-.27190	-.32840	9.58000	-1.05580	-13.12480	-11.01320
1.510	-11.666	.35370	.21740	.01210	1.62650	-.27160	-.32360	9.57000	-.96380	-12.63010	-10.70230
1.510	-11.014	.35540	.21710	.01050	1.63680	-.27390	-.32200	9.58000	-.94860	-11.96250	-10.06520
1.510	-10.381	.35860	.21690	.00840	1.65360	-.27240	-.31870	9.57000	-.92210	-11.30290	-9.45850
1.510	-9.847	.36120	.21640	.00580	1.66930	-.27160	-.31700	9.56000	-.82800	-10.67470	-9.01870
1.510	-9.442	.36420	.21660	.00400	1.68140	-.27020	-.31180	9.56000	-.87110	-10.31340	-8.57120
1.510	-9.059	.36770	.21600	.00210	1.70190	-.27100	-.31030	9.57000	-.81420	-9.87360	-8.24510
1.510	-8.620	.37100	.21640	.00060	1.71410	-.26630	-.30650	9.57000	-.85290	-9.47310	-7.76730
1.510	-8.082	.37230	.21530	-.00220	1.72950	-.26860	-.30550	9.56000	-.73160	-8.81350	-7.35020
1.510	-7.462	.37480	.21530	-.00430	1.74050	-.26880	-.30380	9.56000	-.58190	-8.04390	-6.88000
1.510	-6.923	.37730	.21590	-.00620	1.74730	-.27010	-.30660	9.58000	-.44520	-7.36850	-6.47310
1.510	-6.584	.37970	.21650	-.00780	1.75390	-.27080	-.30390	9.56000	-.44700	-7.03090	-6.13680
1.510	-6.242	.38220	.21660	-.00940	1.76380	-.27050	-.30260	9.55000	-.52200	-6.76390	-5.71970
1.510	-5.686	.38470	.21660	-.01140	1.77580	-.27190	-.30390	9.56000	-.51230	-6.19850	-5.17370
1.510	-5.173	.38810	.21760	-.01330	1.78310	-.27210	-.30290	9.55000	-.50730	-5.68020	-4.66560
1.510	-4.786	.38850	.21690	-.01450	1.79080	-.27320	-.30280	9.56000	-.47740	-5.26390	-4.30910
1.510	-4.461	.39420	.21860	-.01560	1.80290	-.27070	-.30200	9.57000	-.42540	-4.88700	-4.03610
1.510	-4.221	.39410	.21790	-.01700	1.80840	-.27150	-.30340	9.55000	-.35950	-4.58070	-3.86170
1.510	-3.970	.39530	.21820	-.01810	1.81160	-.27220	-.30400	9.55000	-.35900	-4.32940	-3.61140
1.510	-3.703	.39700	.21870	-.01920	1.81490	-.27240	-.30240	9.57000	-.30420	-4.00750	-3.39910
1.510	-3.405	.39830	.21880	-.02140	1.82050	-.27300	-.30520	9.55000	-.25650	-3.66190	-3.14880
1.510	-3.057	.40060	.21950	-.02220	1.82450	-.27610	-.30670	9.55000	-.19640	-3.25360	-2.86060
1.510	-2.501	.40320	.22030	-.02370	1.82980	-.27610	-.30680	9.54000	-.15590	-2.65670	-2.34490
1.510	-2.081	.40590	.22130	-.02560	1.83410	-.27730	-.30670	9.57000	-.18330	-2.26410	-1.89750
1.510	-1.670	.40840	.22200	-.02750	1.83930	-.27660	-.30800	9.55000	-.09890	-1.76940	-1.57140
1.510	-1.185	.41080	.22300	-.02940	1.84160	-.27910	-.30850	9.56000	-.05990	-1.12540	-1.24530
1.510	-.772	.41350	.22380	-.03080	1.84720	-.28110	-.31170	9.54000	.07090	-.70140	-.84330
1.510	-.253	.41500	.22460	-.03380	1.84710	-.28150	-.31050	9.55000	-.03950	-.29300	-.21390
1.510	.277	.41620	.22500	-.03520	1.84940	-.28310	-.31330	9.53000	-.13060	.14670	.40790
1.510	.664	.41980	.22650	-.03770	1.85310	-.28410	-.31460	9.55000	-.28970	.37440	.95390
1.510	1.147	.42360	.22690	-.03960	1.86680	-.28340	-.31950	9.53000	-.26200	.88490	1.40900
1.510	1.742	.42670	.22830	-.04310	1.86880	-.28300	-.32070	9.53000	-.00860	1.73300	1.75020
1.510	2.174	.42740	.22870	-.04500	1.86850	-.28030	-.31960	9.53000	.01430	2.18850	2.15980
1.510	2.925	.43230	.22980	-.04740	1.88110	-.28130	-.32280	9.52000	.17400	3.09940	2.75130
1.510	3.212	.43270	.22990	-.04940	1.88200	-.27980	-.32340	9.52000	.02850	3.24070	3.18360
1.510	3.681	.43770	.23090	-.05150	1.89500	-.27920	-.32240	9.52000	-.06350	3.61770	3.74480
1.510	4.212	.43990	.23200	-.05380	1.89610	-.27950	-.32320	9.51000	.07300	4.28520	4.13910
1.510	4.668	.44160	.23350	-.05710	1.89130	-.28060	-.32580	9.52000	.08860	4.75640	4.57900
1.510	5.183	.44510	.23460	-.05980	1.89710	-.28540	-.32800	9.50000	.02050	5.20400	5.16300

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 402

LA67 (LTV 552) ORBITER 49-0

(SFD107)

PARAMETRIC DATA

ALPHA =	10.000	AILRON =	.000
SPDRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSP0S =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 123/ 0 RN/L = 8.08

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
1.510	5.690	.44860	.23660	-.05200	1.89610	-.28520	-.32530	9.51000	.07170	5.76160	5.61800

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 403

LA67 (LTV 552) ORBITER 49-0

(SFD107)

PARAMETRIC DATA

ALPHA	=	10.000	ATLRON	=	.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 107/ 0 RN/L = 8.25

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	ATLRON	ELVN-L	ELVN-R
2.010	-12.064	.25520	.17510	.01220	1.45710	-.45940	-.21440	9.56000	-1.23310	-13.29760	-10.83120
2.010	-11.668	.25780	.17560	.01230	1.46780	-.43970	-.21310	9.57000	-1.30730	-12.97560	-10.36100
2.010	-11.177	.25690	.17470	.00990	1.47030	-.48120	-.21470	9.58000	-1.42980	-12.60650	-9.74670
2.010	-10.657	.25710	.17450	.00970	1.47340	-.48720	-.21400	9.57000	-1.25870	-11.91540	-9.39780
2.010	-10.250	.26060	.17490	.00990	1.49010	-.43430	-.21220	9.57000	-1.14750	-11.39710	-9.10210
2.010	-9.762	.26070	.17480	.00840	1.49150	-.48770	-.21280	9.59000	-1.03870	-10.80030	-8.72290
2.010	-9.398	.26330	.17500	.00750	1.50470	-.47160	-.21190	9.57000	-1.00920	-10.40770	-8.38920
2.010	-9.043	.26440	.17550	.00670	1.50660	-.48630	-.21200	9.59000	-.97980	-10.02290	-8.06310
2.010	-8.639	.26490	.17550	.00580	1.50950	-.49140	-.21080	9.57000	-1.03840	-9.67730	-7.60050
2.010	-8.293	.26660	.17500	.00380	1.52260	-.48470	-.21020	9.56000	-1.10950	-9.40250	-7.18340
2.010	-7.922	.26750	.17520	.00290	1.52680	-.44750	-.21030	9.55000	-1.07220	-8.99410	-6.84970
2.010	-7.438	.26830	.17500	.00230	1.53310	-.31980	-.21020	9.57000	-.78600	-8.22450	-6.65250
2.010	-7.024	.26900	.17570	.00230	1.53110	-.38890	-.21050	9.57000	-.69000	-7.71410	-6.33400
2.010	-6.675	.27040	.17560	.00150	1.53980	-.41420	-.20980	9.56000	-.56820	-7.24290	-6.10650
2.010	-6.401	.27140	.17550	.00050	1.54610	-.43340	-.21110	9.56000	-.55950	-6.96020	-5.84100
2.010	-6.163	.27350	.17610	-.00040	1.55320	-.44670	-.21230	9.56000	-.62480	-6.78740	-5.53770
2.010	-5.792	.27300	.17650	-.00090	1.54600	-.45030	-.21200	9.55000	-.61840	-6.41050	-5.17370
2.010	-5.410	.27460	.17650	-.00240	1.55580	-.40970	-.21330	9.56000	-.63100	-6.04140	-4.77930
2.010	-5.110	.27850	.17780	-.00240	1.56650	-.39680	-.21520	9.58000	-.64890	-5.75870	-4.46080
2.010	-4.785	.27520	.17680	-.00340	1.55570	-.46160	-.21580	9.56000	-.58920	-5.37390	-4.19540
2.010	-4.503	.27630	.17740	-.00380	1.56010	-.50510	-.21600	9.57000	-.59590	-5.09900	-3.90720
2.010	-4.252	.27890	.17790	-.00470	1.56760	-.50140	-.21820	9.56000	-.60310	-4.85560	-3.64930
2.010	-3.960	.27980	.17860	-.00630	1.56610	-.37930	-.21890	9.57000	-.62110	-4.58070	-3.33840
2.010	-3.662	.27990	.17870	-.00680	1.56660	-.33420	-.22100	9.56000	-.57350	-4.23520	-3.08810
2.010	-3.208	.28200	.17890	-.00770	1.57570	-.27770	-.22310	9.57000	-.63500	-3.84250	-2.57240
2.010	-2.809	.28230	.17930	-.00830	1.57450	-.42530	-.22430	9.57000	-.58560	-3.39490	-2.22360
2.010	-2.277	.28330	.17960	-.00960	1.57710	-.49290	-.22580	9.57000	-.38730	-2.66460	-1.88990
2.010	-1.895	.28620	.18060	-.01010	1.58500	-.35640	-.22700	9.57000	-.34590	-2.24050	-1.54860
2.010	-1.457	.28770	.18150	-.01130	1.58460	-.35980	-.22660	9.56000	-.24180	-1.69870	-1.21490
2.010	-1.001	.28820	.18180	-.01230	1.58550	-.28590	-.22760	9.56000	-.18760	-1.18820	-.81300
2.010	-.466	.29080	.18220	-.01370	1.59540	-.28320	-.22870	9.58000	-.25930	-.72490	-.20630
2.010	.043	.29120	.18250	-.01430	1.59540	-.27360	-.22790	9.58000	-.28900	-.24590	.33210
2.010	.451	.29240	.18310	-.01680	1.59680	-.21030	-.23000	9.56000	-.35130	.09960	.80230
2.010	.824	.29610	.18380	-.01720	1.61110	-.24580	-.23000	9.56000	-.41040	.41370	1.23450
2.010	1.112	.29590	.18400	-.01960	1.60760	-.26890	-.23100	9.56000	-.47870	.63360	1.59100
2.010	1.586	.29730	.18430	-.02050	1.61310	-.31870	-.23060	9.54000	-.31610	1.26960	1.90190
2.010	2.146	.30110	.18580	-.02190	1.62070	-.34790	-.23120	9.54000	-.24070	1.90570	2.38730
2.010	2.564	.30190	.18670	-.02360	1.61710	-.32630	-.23020	9.54000	-.20260	2.36120	2.76650
2.010	3.164	.30170	.18620	-.02420	1.62020	-.29940	-.22990	9.54000	-.09570	3.06800	3.25940
2.010	3.421	.30450	.18700	-.02530	1.62780	-.24080	-.22910	9.54000	-.17220	3.24860	3.59310
2.010	3.812	.30680	.18780	-.02770	1.63320	-.21720	-.22870	9.53000	-.28110	3.53130	4.09360
2.010	4.274	.30900	.18870	-.02850	1.63710	-.25500	-.22770	9.53000	-.12260	4.15170	4.39700

TABULATED SOURCE DATA, LTV TEST 352, LA67

PAGE 404

LA67 (LTV 552) ORBITER 49-0

(SFD107)

PARAMETRIC DATA

ALPHA =	10.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 107/ 0 RN/L = 8.25

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
2.010	4.743	.30890	.18880	-.03030	1.63610	-.24680	-.22710	9.53000	-.20700	4.53650	4.95060
2.010	5.127	.31140	.18970	-.03060	1.64070	-.24750	-.22500	9.54000	-.11930	5.00770	5.24640
2.010	5.689	.31330	.19010	-.03240	1.64790	-.35060	-.22540	9.53000	-.20210	5.48670	5.89100

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 405

LA67 (LTV 552) ORBITER 49-0

(SFD108)

PARAMETRIC DATA

ALPHA =	15.000	AILRON =	.000
SPDRK =	55.000	RN/L =	10.000
CRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 95/ 0 RN/L = 10.87

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
2.990	-12.109	.33400	.18430	.00190	1.81240	-.11030	-.13160	15.01000	-1.38440	-13.49390	-10.72500
2.990	-11.790	.33450	.18440	.00120	1.81410	-.10980	-.13130	15.00000	-1.42130	-13.21120	-10.36860
2.990	-11.371	.33590	.18440	.00190	1.82080	-.10890	-.13010	15.02000	-1.49500	-12.86560	-9.87560
2.990	-10.881	.33730	.18480	.00040	1.82530	-.11000	-.13050	15.02000	-1.31670	-12.19810	-9.56470
2.990	-10.259	.33750	.18490	-.00030	1.82450	-.10880	-.13100	15.01000	-1.02030	-11.27930	-9.23860
2.990	-9.812	.33930	.18520	-.00040	1.83160	-.11070	-.13020	15.02000	-1.03570	-10.84740	-8.77600
2.990	-9.444	.34050	.18560	-.00090	1.83450	-.11100	-.13100	15.01000	-.99460	-10.43910	-8.44990
2.990	-9.086	.33900	.18500	-.00170	1.83150	-.10940	-.13150	15.03000	-1.01530	-10.10140	-8.07070
2.990	-8.759	.33990	.18560	-.00230	1.83140	-.10920	-.13130	15.03000	-1.05980	-9.81870	-7.69910
2.990	-8.377	.34060	.18560	-.00210	1.83450	-.11040	-.13140	15.02000	-1.06470	-9.44170	-7.31230
2.990	-8.089	.34280	.18620	-.00340	1.84090	-.10950	-.13030	15.01000	-1.14840	-9.23760	-6.94070
2.990	-7.602	.34370	.18640	-.00380	1.84350	-.11000	-.13010	15.02000	-1.09360	-8.69570	-6.50840
2.990	-7.063	.34250	.18590	-.00450	1.84190	-.11010	-.13010	15.02000	-.93370	-7.99680	-6.12920
2.990	-6.486	.34350	.18630	-.00560	1.84380	-.11110	-.13110	15.02000	-.81950	-7.30570	-5.66360
2.990	-6.094	.34400	.18650	-.00620	1.84430	-.11090	-.12990	15.00000	-.92070	-7.01520	-5.17370
2.990	-5.612	.34660	.18700	-.00670	1.85390	-.10990	-.13090	15.02000	-.89300	-6.50470	-4.71860
2.990	-5.140	.34730	.18740	-.00770	1.85250	-.11060	-.13070	15.03000	-.85390	-5.99430	-4.28640
2.990	-4.692	.34950	.18780	-.00820	1.86030	-.11100	-.13140	15.01000	-.81520	-5.50740	-3.87680
2.990	-4.322	.34900	.18790	-.00850	1.85750	-.11120	-.13070	15.02000	-.83190	-5.15400	-3.49010
2.990	-3.858	.34880	.18800	-.01000	1.85510	-.11210	-.13030	15.01000	-.77750	-4.63570	-3.08050
2.990	-3.454	.35060	.18850	-.01080	1.85990	-.11200	-.13040	15.00000	-.82060	-4.27450	-2.63310
2.990	-2.933	.35290	.18900	-.01120	1.86650	-.11100	-.13160	15.01000	-.82310	-3.75620	-2.10980
2.990	-2.453	.35310	.18960	-.01290	1.86260	-.10970	-.13140	15.01000	-.72220	-3.17500	-1.73060
2.990	-1.910	.35400	.18950	-.01410	1.86740	-.11040	-.13130	15.00000	-.55070	-2.46040	-1.35900
2.990	-1.443	.35480	.18980	-.01440	1.86890	-.11010	-.13150	15.00000	-.54640	-1.98920	-.89640
2.990	-.867	.35660	.19070	-.01510	1.87010	-.11170	-.13030	15.01000	-.50930	-1.37670	-.35800
2.990	-.215	.35830	.19130	-.01590	1.87330	-.11160	-.13060	15.00000	-.50950	-.72490	.29420
2.990	.323	.35780	.19110	-.01740	1.87160	-.11150	-.13050	14.99000	-.60040	-.27730	.92360
2.990	.697	.36030	.19220	-.01770	1.87430	-.11130	-.13030	15.01000	-.61320	.08380	1.31040
2.990	1.095	.36030	.19200	-.01960	1.87620	-.11030	-.13110	14.98000	-.56380	.53150	1.65920
2.990	1.545	.36140	.19300	-.02070	1.87250	-.10940	-.13050	15.00000	-.65240	.89270	2.19770
2.990	2.231	.36400	.19350	-.02140	1.88140	-.11130	-.13050	14.98000	-.47460	1.75650	2.70580
2.990	2.653	.36590	.19420	-.02250	1.88340	-.11060	-.12990	14.98000	-.40940	2.24340	3.06220
2.990	3.284	.36700	.19500	-.02340	1.88180	-.10910	-.13140	14.99000	-.30190	2.98160	3.58550
2.990	3.649	.36700	.19550	-.02500	1.87720	-.11120	-.13020	14.99000	-.38430	3.26430	4.03300
2.990	3.983	.36910	.19650	-.02670	1.87880	-.10950	-.13130	14.99000	-.46720	3.51560	4.45010
2.990	4.567	.37010	.19670	-.02680	1.88110	-.11150	-.13080	14.99000	-.38370	4.18310	4.95060
2.990	5.007	.37260	.19790	-.02820	1.88280	-.11110	-.13070	14.99000	-.35290	4.66430	5.36010
2.990	5.466	.37250	.19820	-.02970	1.87890	-.11160	-.13070	14.98000	-.37190	5.09410	5.83790
2.990	5.925	.37480	.19920	-.03130	1.88130	-.11010	-.13110	14.98000	-.41460	5.47890	6.30810
2.990	6.489	.37610	.20000	-.03240	1.88040	-.11100	-.12990	14.98000	-.33470	6.15420	6.82380

LA67 (LTV 552) ORBITER 49-0

(SFD109)

PARAMETRIC DATA

ALPHA =	20.000	AILRON =	.000
SPDBRK =	55.000	RN/L =	15.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BOFLAP =	.000
RUDDER =	.000		

RUN NO. 80/ 0 RN/L = 15.52

MACH	ELEVON	CL	CD	CLM	L/D	CPC	CPB	ALPHA	AILRON	ELVN-L	ELVN-R
4.591	-.661	.41890	.22490	-.01250	1.86220	-.03120	-.02120	19.97000	.45480	-.20660	-1.11630
4.591	-.417	.42140	.22590	-.01270	1.86530	-.03160	-.02130	19.96000	.32020	-.09670	-.73710
4.591	-.163	.42180	.22590	-.01350	1.86670	-.03250	-.02090	19.96000	.28600	.12310	-.44900
4.591	.044	.42310	.22660	-.01440	1.86720	-.03120	-.02120	19.97000	.22790	.27230	-.19350
4.591	.334	.42250	.22670	-.01440	1.86770	-.03120	-.02120	19.96000	.24460	.57860	.08940
4.591	.592	.42370	.22680	-.01460	1.86760	-.03350	-.01870	19.96000	.22980	.82200	.36240
4.591	.834	.42390	.22720	-.01580	1.86550	-.03170	-.02160	19.97000	.17610	1.01050	.65820
4.591	1.108	.42440	.22760	-.01620	1.86460	-.03260	-.01990	19.97000	.18480	1.29320	.92360
4.591	1.345	.42520	.22770	-.01590	1.86710	-.03290	-.01950	19.96000	.23130	1.57590	1.11320
4.591	1.624	.42620	.22800	-.01690	1.86900	-.03340	-.02070	19.95000	.33650	1.96070	1.28760
4.591	1.906	.42750	.22900	-.01740	1.86650	-.03290	-.02240	19.97000	.32980	2.23560	1.57580
4.591	2.149	.42750	.22880	-.01780	1.86790	-.03340	-.01950	19.96000	.36110	2.51040	1.78820
4.591	2.436	.42750	.22880	-.01920	1.86800	-.03340	-.01990	19.95000	.42010	2.85600	2.01570
4.591	2.676	.42800	.22960	-.01960	1.86720	-.03260	-.02200	19.96000	.47060	3.14650	2.20530
4.591	2.899	.42910	.22980	-.02050	1.86740	-.03260	-.02160	19.96000	.42820	3.32710	2.47070
4.591	3.174	.43060	.23060	-.02110	1.86680	-.03410	-.02280	19.95000	.29410	3.46850	2.88020
4.591	3.444	.43060	.23100	-.02190	1.86410	-.03410	-.02320	19.96000	.26020	3.70410	3.18360
4.591	3.694	.43170	.23130	-.02270	1.86650	-.03340	-.02240	19.95000	.24530	3.93970	3.44900
4.591	3.911	.43280	.23190	-.02220	1.86630	-.03290	-.02070	19.95000	.27220	4.18310	3.63860

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 407

LA67 (LTV 552) ORBITER 49-0

(SF0110)

PARAMETRIC DATA

ALPHA =	.000	ELEVON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 119/ 0 RN/L = 8.05

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
1.510	-2.242	-.01300	.17000	.03960	-.07650	-.24730	-.31140	1.09310	-.04000	-1.14900	3.33530
1.510	-2.014	-.01080	.16990	.03920	-.06380	-.24560	-.30910	1.13190	-.05000	-.88200	3.14570
1.510	-1.661	-.00980	.17010	.03910	-.05810	-.24650	-.31000	1.23440	-.04000	-.42650	2.89540
1.510	-1.400	-.00960	.16980	.03830	-.05670	-.24850	-.30910	1.14640	-.06000	-.25370	2.54650
1.510	-1.161	-.01010	.16970	.03820	-.05950	-.24740	-.30890	1.13510	-.04000	-.02600	2.29630
1.510	-.782	-.01020	.16980	.03850	-.06020	-.24840	-.30900	1.21120	-.05000	.42940	1.99290
1.510	-.476	-.01020	.16970	.03790	-.06040	-.24950	-.30860	1.28980	-.06000	.81420	1.76540
1.510	-.166	-.00990	.16920	.03840	-.05890	-.25100	-.30750	1.37240	-.05000	1.20680	1.53790
1.510	.223	-.00870	.16970	.03760	-.05130	-.24970	-.30630	1.51030	-.06000	1.73300	1.29760
1.510	.520	-.01000	.17000	.03730	-.05930	-.24830	-.30850	1.50390	-.06000	2.02350	.98430
1.510	.890	-.00960	.17000	.03700	-.05690	-.24990	-.30910	1.52580	-.05000	2.41620	.63540
1.510	1.318	-.00810	.16940	.03730	-.04830	-.25160	-.31130	1.51400	-.04000	2.83240	.19560
1.510	1.661	-.01070	.16950	.03770	-.06340	-.25190	-.31230	1.44660	-.04000	3.10730	-.21390
1.510	1.922	-.00770	.16960	.03790	-.04590	-.25220	-.31280	1.20040	-.04000	3.12300	-.72200
1.510	2.265	-.00810	.16990	.03810	-.04760	-.25180	-.31380	.95180	-.05000	3.21720	-1.31350
1.510	2.741	-.01070	.17050	.03790	-.06300	-.25100	-.31570	1.02570	-.04000	3.76690	-1.71550
1.510	3.102	-.01080	.17010	.03770	-.06390	-.25030	-.31730	1.12070	-.05000	4.22240	-1.98090
1.510	3.382	-.01130	.17050	.03790	-.06650	-.25190	-.31800	1.06000	-.04000	4.44230	-2.32220
1.510	3.729	-.01140	.17080	.03810	-.06680	-.25090	-.31970	1.03520	-.04000	4.76420	-2.69380
1.510	4.092	-.01060	.17080	.03770	-.06250	-.25000	-.32130	1.05690	-.05000	5.14900	-3.03500
1.510	4.370	-.00890	.17160	.03780	-.05220	-.24940	-.32010	1.06950	-.05000	5.43960	-3.30050
1.510	4.872	-.01130	.17210	.03840	-.06600	-.24930	-.32330	1.09370	-.05000	5.96570	-3.77820
1.510	5.246	-.01000	.17140	.03800	-.05870	-.24760	-.32400	1.10410	-.05000	6.35050	-4.14230
1.510	5.619	-.01090	.17200	.03800	-.06350	-.24530	-.32340	1.25720	-.06000	6.87670	-4.36220
1.510	5.995	-.01150	.17250	.03820	-.06670	-.24580	-.32360	1.31390	-.05000	7.30860	-4.68070
1.510	6.329	-.01120	.17320	.03840	-.06510	-.24430	-.32520	1.23870	-.04000	7.56780	-5.09020
1.510	6.616	-.01090	.17360	.03860	-.06320	-.24570	-.32700	1.10870	-.04000	7.72480	-5.50740
1.510	6.920	-.01040	.17330	.03800	-.06050	-.24650	-.32850	1.07930	-.05000	7.99970	-5.84100
1.510	7.366	-.01050	.17440	.03790	-.06070	-.24500	-.33040	1.16800	-.04000	8.53370	-6.19750
1.510	7.668	-.01090	.17420	.03850	-.06290	-.24900	-.33190	1.25820	-.05000	8.92630	-6.40980
1.510	7.991	-.01140	.17540	.03770	-.06510	-.24650	-.33330	1.20980	-.05000	9.20120	-6.78140
1.510	8.581	-.01150	.17640	.03740	-.06550	-.24720	-.34120	1.15450	-.04000	9.73520	-7.42610
1.510	8.936	-.01070	.17690	.03840	-.06090	-.24800	-.34630	1.16840	-.04000	10.10430	-7.76730
1.510	9.286	-.01210	.17720	.03810	-.06820	-.25120	-.35130	1.12440	-.06000	10.41060	-8.16170
1.510	9.595	-.01300	.17790	.03840	-.07340	-.25280	-.35310	1.16060	-.04000	10.75610	-8.43470

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD111)

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	.000
SPOBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BOFLAP =	.000
RUDDER =	.000		

RUN NO. 108/ 0 RN/L = 7.96

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
2.010	-3.049	.13300	.14970	-.00240	.88870	-.18800	-.21180	.42320	4.78000	-2.62530	3.47180
2.010	-2.612	.13230	.14970	-.00060	.88360	-.18840	-.21110	.02570	4.80000	-2.58610	2.63750
2.010	-2.312	.13230	.14920	-.00080	.88670	-.18900	-.21060	-.01530	4.79000	-2.32690	2.29630
2.010	-1.960	.13060	.14940	-.00020	.87450	-.18690	-.21130	-.00530	4.80000	-1.96570	1.95500
2.010	-1.617	.13130	.14950	-.00020	.87860	-.18760	-.20960	.01990	4.79000	-1.59660	1.63650
2.010	-1.283	.13230	.14920	-.00020	.88640	-.18700	-.21100	.11830	4.80000	-1.16470	1.40140
2.010	-.734	.13140	.14890	-.00030	.88230	-.18720	-.21010	.15870	4.81000	-.57570	.89330
2.010	-.430	.13050	.14860	.00000	.87780	-.18570	-.21040	.15250	4.80000	-.27730	.58230
2.010	-.135	.13180	.14910	.00000	.88430	-.18540	-.20960	.03030	4.80000	-.10450	.16520
2.010	.101	.13070	.14850	.00030	.88030	-.18740	-.21040	.07690	4.82000	.17810	-.02430
2.010	.498	.13250	.14860	.00010	.89200	-.18720	-.21060	.04130	4.82000	.53930	-.45650
2.010	.841	.13180	.14870	-.00020	.88630	-.18630	-.20930	.00430	4.82000	.84560	-.83570
2.010	1.231	.13210	.14920	-.00070	.88570	-.18650	-.21020	.03100	4.82000	1.26180	-1.19980
2.010	1.522	.13080	.14910	-.00040	.87730	-.18460	-.20990	.16340	4.82000	1.68590	-1.35300
2.010	1.770	.13300	.14860	-.00080	.89460	-.18580	-.21080	.19080	4.80000	1.96070	-1.57890
2.010	2.304	.13440	.14980	-.00140	.89750	-.18610	-.21040	.52040	4.80000	2.82450	-1.78370
2.010	2.591	.13200	.14950	-.00190	.88320	-.18730	-.21070	.59480	4.80000	3.18580	-1.99610
2.010	2.304	.13310	.14930	-.00190	.89140	-.18680	-.21140	.44420	4.80000	3.24860	-2.36010
2.010	3.034	.13330	.14960	-.00150	.89100	-.18760	-.21130	.34790	4.80000	3.38210	-2.68620
2.010	3.314	.13320	.14970	-.00250	.88940	-.18880	-.21150	.25640	4.79000	3.57060	-3.05780
2.010	3.660	.13290	.15050	-.00180	.88350	-.18910	-.21300	.39740	4.80000	4.05750	-3.26250
2.010	3.943	.13330	.15070	-.00240	.88440	-.19040	-.21450	.47560	4.80000	4.41870	-3.46730
2.010	4.234	.13400	.15100	-.00190	.88760	-.18930	-.21560	.53860	4.81000	4.77210	-3.69480
2.010	4.593	.13360	.15130	-.00240	.88270	-.19040	-.21670	.60270	4.81000	5.19620	-3.99060
2.010	4.929	.13400	.15150	-.00250	.88450	-.19160	-.21730	.61240	4.80000	5.54170	-4.31670
2.010	5.569	.13290	.15150	-.00220	.87700	-.19220	-.21780	.60050	4.80000	6.16990	-4.96890
2.010	6.060	.13370	.15220	-.00180	.87890	-.19270	-.21760	.64370	4.81000	6.70390	-5.41630
2.010	6.455	.13400	.15230	-.00190	.87990	-.19310	-.21700	.69690	4.80000	7.15160	-5.75760
2.010	6.822	.13410	.15180	-.00200	.88340	-.19180	-.21850	.76120	4.81000	7.58350	-6.06100
2.010	7.244	.13330	.15280	-.00280	.87250	-.19120	-.21630	.60650	4.80000	7.85050	-6.63730
2.010	7.675	.13450	.15300	-.00310	.87900	-.19060	-.21650	.76450	4.79000	8.43940	-6.91040
2.010	7.904	.13430	.15320	-.00250	.87650	-.19050	-.21640	.72700	4.80000	8.68290	-7.22890
2.010	8.326	.13350	.15330	-.00290	.87090	-.19210	-.21670	.71800	4.80000	9.04410	-7.60810
2.010	8.692	.13380	.15350	-.00360	.87170	-.19160	-.21700	.67420	4.80000	9.36610	-8.01760
2.010	8.981	.13370	.15380	-.00380	.86970	-.19270	-.21720	.65220	4.81000	9.63310	-8.32850
2.010	9.322	.13400	.15410	-.00370	.86960	-.19260	-.21780	.72760	4.81000	10.04930	-8.59400
2.010	9.592	.13310	.15450	-.00380	.86140	-.19400	-.21860	.77090	4.79000	10.36340	-8.82150

LA67 (LTV 552) ORBITER 49-0

(SFD112)

PARAMETRIC DATA

ALPHA *	5.000	ELEVON *	5.000
SPDBRK *	55.000	RN/L *	8.000
GRITNO *	.000	RCSPDS *	1.000
BETA *	.000	BOFLAP *	.000
RUDDER *	.000		

RUN NO. 120/ 0 RN/L = 8.11

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
1.510	-3.812	.21570	.18010	-.01090	1.19500	-.26630	-.31280	3.97470	4.73000	.16240	7.78690
1.510	-3.227	.21490	.17990	-.01090	1.19400	-.26650	-.31330	3.71100	4.73000	.48440	6.93760
1.510	-2.438	.21530	.18020	-.01130	1.19530	-.26760	-.31400	3.33120	4.72000	.89270	5.76970
1.510	-2.007	.21580	.18010	-.01090	1.19640	-.26730	-.31440	3.27700	4.74000	1.26960	5.28430
1.510	-1.636	.21590	.18000	-.01070	1.19970	-.26760	-.31300	3.31430	4.73000	1.67800	4.95060
1.510	-1.243	.21520	.17990	-.01140	1.19620	-.26770	-.31350	3.32120	4.73000	2.07850	4.56380
1.510	-.918	.21420	.18030	-.01120	1.18840	-.26800	-.31290	3.33450	4.73000	2.41620	4.25290
1.510	-.497	.21330	.17950	-.01050	1.18820	-.26610	-.31540	3.39210	4.73000	2.89520	3.88890
1.510	-.208	.21630	.18030	-.01100	1.19960	-.26540	-.31630	3.33150	4.74000	3.12300	3.54000
1.510	.018	.21420	.18020	-.01070	1.18860	-.26590	-.31540	3.24670	4.73000	3.26430	3.22910
1.510	.278	.21500	.17980	-.01090	1.19600	-.26680	-.31720	3.12010	4.74000	3.39780	2.84230
1.510	.665	.21420	.17960	-.01130	1.19270	-.26730	-.31570	3.18080	4.73000	3.84540	2.51620
1.510	1.086	.21610	.18080	-.01140	1.19530	-.26630	-.31090	3.22290	4.73000	4.30880	2.13700
1.510	1.395	.21390	.18020	-.01130	1.18680	-.26760	-.31060	3.26690	4.74000	4.66220	1.87160
1.510	1.698	.21770	.18140	-.01220	1.20000	-.26690	-.30810	3.39560	4.73000	5.09410	1.69720
1.510	1.968	.21490	.18060	-.01300	1.19020	-.26870	-.30870	3.56620	4.73000	5.53380	1.59860
1.510	2.200	.21610	.18090	-.01330	1.19450	-.26940	-.31010	3.60880	4.74000	5.80870	1.40900
1.510	2.588	.21800	.18180	-.01350	1.19890	-.26680	-.30460	3.72360	4.72000	6.31130	1.13600
1.510	2.957	.21730	.18210	-.01350	1.19360	-.26710	-.31110	3.88820	4.72000	6.84530	.93120
1.510	3.331	.21720	.18210	-.01410	1.19260	-.26820	-.31650	4.10310	4.73000	7.43430	.77190
1.510	3.547	.21820	.18220	-.01480	1.19760	-.27030	-.32260	4.11460	4.73000	7.66200	.56720
1.510	3.789	.21770	.18200	-.01510	1.19630	-.27220	-.32600	4.06090	4.74000	7.85050	.27140
1.510	4.288	.22110	.18350	-.01540	1.20520	-.26880	-.32380	4.11210	4.72000	8.40020	-.17590
1.510	4.701	.21970	.18280	-.01560	1.20180	-.27070	-.32450	4.09230	4.74000	8.79280	-.60820
1.510	5.109	.22140	.18360	-.01540	1.20570	-.27040	-.32350	4.09170	4.73000	9.20120	-1.01770
1.510	5.332	.22190	.18420	-.01600	1.20470	-.27200	-.32340	4.03380	4.72000	9.36610	-1.29830
1.510	5.654	.21930	.18410	-.01630	1.19130	-.27220	-.32300	4.12820	4.72000	9.78230	-1.52590
1.510	5.995	.21960	.18430	-.01640	1.19160	-.27030	-.32070	4.22670	4.73000	10.22210	-1.76850
1.510	6.308	.22030	.18450	-.01650	1.19410	-.27290	-.32280	4.24370	4.73000	10.55190	-2.06430
1.510	6.676	.22200	.18540	-.01690	1.19740	-.27190	-.32240	4.34660	4.73000	11.02310	-2.32970
1.510	7.138	.22160	.18620	-.01720	1.19040	-.27200	-.32300	4.46650	4.72000	11.60420	-2.67100
1.510	7.677	.22110	.18640	-.01790	1.18620	-.27300	-.32490	4.62640	4.74000	12.30310	-3.05020
1.510	7.914	.22180	.18720	-.01790	1.18510	-.27430	-.32740	4.54570	4.74000	12.46020	-3.36870
1.510	8.204	.22100	.18780	-.01860	1.17650	-.27530	-.32850	4.58550	4.73000	12.79000	-3.61900
1.510	8.498	.22180	.18840	-.01890	1.17730	-.27610	-.32890	4.60600	4.73000	13.10410	-3.89200
1.510	8.909	.22220	.18870	-.01940	1.17740	-.27730	-.32820	4.70580	4.73000	13.61460	-4.20290
1.510	9.316	.22290	.18930	-.01940	1.17770	-.27770	-.32580	4.81700	4.72000	14.13290	-4.49870
1.510	9.661	.22390	.18970	-.01960	1.18030	-.27730	-.32430	4.89630	4.73000	14.55690	-4.76410

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 411

LA67 (LTV 552) ORBITER 49-0

(SFO113)

PARAMETRIC DATA

ALPHA = 5.000 ELEVON = -10.000
 SPDGRK = 55.000 RN/L = 8.000
 CRITNO = .000 RCSPOS = 1.000
 BETA = .000 BOFLAP = .000
 RUDDER = .000

RUN NO. 121/ 0 RN/L = 8.11

MACH	AIRLON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
1.510	-3.598	.17650	.17710	.02030	.99670	-.25700	-.31300	-3.88030	4.77000	-7.47850	-.22210
1.510	-3.315	.17700	.17680	.02040	1.00110	-.25650	-.31230	-3.87520	4.77000	-7.14080	-.50960
1.510	-3.035	.17780	.17630	.01900	1.00880	-.25750	-.31410	-3.91130	4.76000	-6.93660	-.86610
1.510	-2.707	.17850	.17630	.01890	1.01260	-.25710	-.31490	-3.87630	4.76000	-6.58320	-1.16940
1.510	-2.354	.17650	.17570	.01870	1.00460	-.25900	-.31600	-3.74290	4.76000	-6.09640	-1.38940
1.510	-1.992	.17700	.17600	.01870	1.00610	-.25850	-.31640	-3.58610	4.76000	-5.57810	-1.59410
1.510	-1.686	.17710	.17570	.01860	1.00830	-.25950	-.31660	-3.54600	4.76000	-5.23250	-1.85950
1.510	-1.377	.17720	.17500	.01850	1.00750	-.25920	-.31610	-3.51750	4.76000	-4.89480	-2.14010
1.510	-.993	.17960	.17600	.01850	1.02070	-.25940	-.31510	-3.50290	4.77000	-4.48650	-2.51930
1.510	-.613	.17730	.17500	.01800	1.01300	-.26230	-.31520	-3.48100	4.76000	-4.09380	-2.86820
1.510	-.241	.17860	.17550	.01820	1.01790	-.26030	-.31280	-3.38970	4.78000	-3.63050	-3.14880
1.510	.061	.18090	.17580	.01780	1.02880	-.26170	-.31250	-3.33810	4.76000	-3.27710	-3.39910
1.510	.563	.17960	.17570	.01670	1.02210	-.26120	-.31250	-3.10940	4.77000	-2.54680	-3.67210
1.510	.977	.18120	.17580	.01720	1.03070	-.26040	-.31160	-2.99030	4.78000	-2.01280	-3.96780
1.510	1.279	.18030	.17570	.01690	1.02590	-.26080	-.31080	-2.96190	4.78000	-1.68300	-4.24090
1.510	1.598	.17970	.17550	.01690	1.02420	-.26280	-.31020	-3.02190	4.76000	-1.42380	-4.62000
1.510	1.922	.18030	.17580	.01730	1.02530	-.26180	-.30940	-3.01630	4.77000	-1.09400	-4.93860
1.510	2.266	.17970	.17550	.01780	1.02420	-.26170	-.30830	-3.20320	4.76000	-.93690	-5.46940
1.510	2.625	.17880	.17590	.01790	1.01630	-.26300	-.30730	-3.21620	4.78000	-.59140	-5.84100
1.510	2.883	.17880	.17630	.01820	1.01400	-.26090	-.30510	-3.21560	4.78000	-.33230	-6.09890
1.510	3.121	.17930	.17660	.01790	1.01510	-.26310	-.30560	-3.28090	4.77000	-.15950	-6.40220
1.510	3.409	.17740	.17610	.01820	1.00740	-.26290	-.30740	-3.38770	4.76000	.02100	-6.79660
1.510	3.745	.17890	.17700	.01800	1.01040	-.26250	-.30800	-3.34710	4.77000	.39800	-7.09240
1.510	4.068	.17920	.17720	.01820	1.01120	-.26410	-.30960	-3.38780	4.77000	.68070	-7.45640
1.510	4.438	.17700	.17700	.01820	.99980	-.26490	-.31040	-3.41220	4.76000	1.02620	-7.85070
1.510	4.805	.18000	.17820	.01830	1.01000	-.26200	-.31050	-3.40200	4.78000	1.40310	-8.20720
1.510	5.180	.18010	.17820	.01830	1.01060	-.26270	-.31470	-3.35300	4.76000	1.82720	-8.53330
1.510	5.501	.17790	.17880	.01810	.99490	-.26210	-.31750	-3.31270	4.78000	2.18650	-8.81390
1.510	5.919	.17770	.17880	.01880	.99420	-.26410	-.32100	-3.24370	4.76000	2.67530	-9.16270
1.510	6.293	.17880	.17970	.01810	.99520	-.26250	-.32350	-3.24100	4.78000	3.05230	-9.53440
1.510	6.572	.17790	.17990	.01800	.98900	-.26470	-.32630	-3.43290	4.76000	3.13870	-10.00450
1.510	6.932	.17820	.18000	.01780	.98970	-.26550	-.32840	-3.58090	4.76000	3.35070	-10.51270
1.510	7.248	.17700	.18050	.01740	.98060	-.26800	-.32850	-3.60630	4.76000	3.64130	-10.85390
1.510	7.600	.17860	.18150	.01810	.98400	-.26860	-.32710	-3.52680	4.76000	4.07320	-11.12690
1.510	8.014	.17820	.18250	.01780	.97620	-.26890	-.32790	-3.48490	4.76000	4.52870	-11.49860
1.510	8.360	.17840	.18270	.01670	.97670	-.26910	-.32750	-3.50970	4.77000	4.85060	-11.87020
1.510	8.775	.17630	.18240	.01700	.96670	-.26930	-.32680	-3.41380	4.76000	5.36110	-12.18870
1.510	9.029	.18000	.18460	.01690	.97530	-.26980	-.32470	-3.44020	4.76000	5.58880	-12.46930
1.510	9.415	.17770	.18400	.01630	.96570	-.27200	-.32790	-3.44890	4.75000	5.96570	-12.86360
1.510	9.745	.17940	.18560	.01640	.96640	-.27240	-.33030	-3.32350	4.75000	6.42120	-13.06840
1.510	10.241	.18030	.18600	.01620	.96900	-.27280	-.33650	-3.18370	4.76000	7.05730	-13.42480
1.510	10.625	.17970	.18660	.01590	.96320	-.27370	-.33890	-3.08060	4.77000	7.54420	-13.70540

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD113)

PARAMETRIC DATA

ALPHA =	5.000	ELEVON =	-10.000
SPDBRK =	55.000	RN/L =	8.000
GRITNO =	.000	RCSPOS =	1.000
BETA =	.000	BOFLAP =	.000
RUDDER =	.000		

RUN NO. 121/ 0 RN/L = 8.11

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
1.510	11.135	.17900	.18700	.01510	.95670	-.27690	-.34070	-3.44200	4.76000	7.69340	-14.57760

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 413

LA67 (LTV 552) ORBITER 49-0

(SFD114)

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	.000
SPDRBK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 117/ 0 RN/L = 8.11

MACH	AILRON	CL	CD	CLM	L/D	CPC	CP8	ELEVON	ALPHAN	ELVN-L	ELVN-R
1.510	-3.411	.41250	.22400	-.03130	1.84120	-.27640	-.31360	-.69030	9.53000	-4.10170	2.72100
1.510	-3.191	.41110	.22370	-.03080	1.83770	-.27780	-.31260	-.91020	9.54000	-4.10170	2.28110
1.510	-2.775	.40830	.22240	-.02900	1.83570	-.27680	-.31100	-1.11520	9.54000	-3.88970	1.65920
1.510	-2.492	.40830	.22240	-.02870	1.83580	-.27630	-.31150	-1.08320	9.53000	-3.57550	1.40900
1.510	-2.196	.40850	.22250	-.02900	1.83590	-.27710	-.31110	-1.11280	9.55000	-3.30850	1.08290
1.510	-1.722	.40790	.22270	-.02810	1.83160	-.27810	-.31220	-.94250	9.55000	-2.66460	.77950
1.510	-1.294	.40790	.22240	-.02890	1.83370	-.27830	-.31650	-.94660	9.53000	-2.24050	.34720
1.510	-.922	.40780	.22300	-.02820	1.82880	-.27870	-.31640	-1.08290	9.54000	-2.00500	-.16080
1.510	-.494	.40800	.22270	-.02880	1.83180	-.27910	-.31820	-1.11780	9.53000	-1.61230	-.62340
1.510	-.128	.40740	.22290	-.02820	1.82780	-.28050	-.31960	-1.13850	9.54000	-1.26680	-1.01020
1.510	.138	.40660	.22250	-.02820	1.82760	-.28070	-.32240	-1.13000	9.53000	-.99190	-1.26800
1.510	.393	.40910	.22320	-.02820	1.83240	-.27900	-.32140	-1.10240	9.55000	-.70920	-1.49550
1.510	.675	.40740	.22230	-.02880	1.83250	-.27830	-.32070	-1.09360	9.54000	-.41860	-1.76850
1.510	.956	.40620	.22180	-.02830	1.83110	-.27800	-.31510	-1.12340	9.54000	-.16740	-2.07950
1.510	1.201	.40820	.22220	-.02880	1.83630	-.27670	-.30960	-1.20400	9.54000	-.00240	-2.40560
1.510	1.488	.40630	.22120	-.02790	1.83640	-.27610	-.30940	-1.14500	9.53000	.34300	-2.63310
1.510	1.787	.40750	.22160	-.02900	1.83840	-.27500	-.30860	-1.06650	9.53000	.71990	-2.85300
1.510	2.146	.40930	.22190	-.02910	1.83950	-.27570	-.30890	-1.02550	9.53000	1.12050	-3.17150
1.510	2.480	.40900	.22230	-.03010	1.83970	-.27630	-.30710	-.90390	9.54000	1.57590	-3.38390
1.510	2.768	.40980	.22230	-.02940	1.84340	-.27570	-.30910	-.75230	9.53000	2.01570	-3.52040
1.510	3.012	.40800	.22190	-.02980	1.83820	-.27660	-.30950	-.69020	9.53000	2.32200	-3.70240
1.510	3.278	.41010	.22280	-.03020	1.84020	-.27690	-.30900	-.48490	9.53000	2.79310	-3.76310
1.510	3.549	.41060	.22310	-.03030	1.84010	-.27730	-.30910	-.42620	9.53000	3.12300	-3.97540
1.510	3.917	.40940	.22330	-.03150	1.83320	-.27650	-.30980	-.58950	9.54000	3.32710	-4.50630
1.510	4.219	.41190	.22390	-.03190	1.83930	-.27720	-.30910	-.53800	9.54000	3.68050	-4.75660
1.510	4.656	.41320	.22470	-.03220	1.83880	-.27780	-.30830	-.47250	9.55000	4.18310	-5.12820
1.510	5.037	.41030	.22360	-.03290	1.83460	-.27730	-.31090	-.53140	9.53000	4.50510	-5.56800
1.510	5.412	.41210	.22440	-.03250	1.83580	-.27650	-.31140	-.45160	9.53000	4.96060	-5.86380
1.510	5.745	.41220	.22520	-.03240	1.83040	-.27740	-.31040	-.40720	9.54000	5.33750	-6.15200
1.510	6.030	.41320	.22580	-.03370	1.83000	-.27730	-.31020	-.41760	9.55000	5.61240	-6.44770
1.510	6.374	.41430	.22640	-.03320	1.82980	-.27590	-.31220	-.38460	9.54000	5.98930	-6.72870
1.510	6.780	.41220	.22590	-.03390	1.82400	-.27790	-.31490	-.31200	9.53000	6.46830	-7.09240
1.510	7.148	.40990	.22620	-.03310	1.81230	-.28050	-.31710	-.22450	9.53000	6.92380	-7.37300
1.510	7.590	.41280	.22760	-.03300	1.81320	-.28520	-.32250	-.10880	9.54000	7.48140	-7.69910
1.510	7.823	.41140	.22790	-.03420	1.80480	-.28440	-.33090	-.23980	9.53000	7.58350	-8.06310
1.510	8.082	.41130	.22800	-.03420	1.80400	-.28640	-.33120	-.25460	9.54000	7.82690	-8.33610
1.510	8.517	.41300	.22870	-.03390	1.80520	-.28520	-.32950	-.06180	9.54000	8.45520	-8.57880
1.510	8.806	.41240	.22920	-.03460	1.79920	-.28420	-.32880	-.07600	9.54000	8.73000	-8.88210
1.510	9.173	.41140	.22930	-.03460	1.79350	-.28380	-.32960	-.03490	9.53000	9.13840	-9.20820
1.510	9.446	.41360	.23060	-.03470	1.79340	-.28340	-.33040	-.12660	9.54000	9.31900	-9.57230
1.510	9.799	.41020	.23030	-.03510	1.78080	-.28420	-.33210	-.21300	9.53000	9.58600	-10.01210
1.510	10.223	.41190	.23170	-.03460	1.77780	-.28660	-.33330	-.25960	9.55000	9.96290	-10.48230

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD114)

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	.000
SPDBRK	=	55.000	RN/L	=	0.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 117/ 0 RN/L = 0.11

MACH	ATLRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
1.510	10.577	.41110	.23120	-.03510	1.77830	-.28500	-.33600	-.30750	9.54000	10.26920	-10.88430
1.510	10.898	.41190	.23280	-.03510	1.76940	-.28370	-.33430	-.22090	9.57000	10.67760	-11.11940
1.510	11.142	.41230	.23300	-.03540	1.76890	-.28350	-.33500	-.18190	9.54000	10.96030	-11.32410

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OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 415

LA67 (LTV 552) ORBITER 49-0

(SFD114)

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	BDCLAP	=	.000
RUDDER	=	.000			

RUN NO. 103/ 0 RN/L = 8.33

MACH	AIRLON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
2.010	-2.120	.28690	.18100	-.01300	1.58500	-.19790	-.22260	-1.07040	9.53000	-3.26930	1.12840
2.010	-1.445	.28820	.18120	-.01280	1.59010	-.19870	-.22370	-1.04400	9.53000	-2.83740	.74920
2.010	-1.037	.28830	.18130	-.01200	1.59010	-.19900	-.22450	-.99940	9.53000	-2.44470	.44580
2.010	-.603	.28700	.18130	-.01270	1.58270	-.19920	-.22570	-1.03080	9.53000	-2.06780	.00600
2.010	-.201	.28810	.18130	-.01270	1.58930	-.19990	-.22640	-1.12740	9.53000	-1.73010	-.52480
2.010	.126	.28620	.18080	-.01260	1.58260	-.19990	-.22660	-1.12820	9.53000	-1.32960	-.92670
2.010	.408	.28730	.18110	-.01320	1.58610	-.19950	-.22690	-1.13400	9.52000	-1.00760	-1.26040
2.010	.733	.28850	.18150	-.01290	1.58960	-.19930	-.22590	-1.11750	9.53000	-.70920	-1.52590
2.010	.942	.28830	.18110	-.01260	1.59150	-.20000	-.22720	-1.05010	9.53000	-.31660	-1.78370
2.010	1.261	.28810	.18140	-.01300	1.58810	-.19910	-.22550	-1.06190	9.53000	-.12020	-2.00360
2.010	1.589	.28830	.18110	-.01270	1.59130	-.19950	-.22630	-1.12200	9.54000	.13880	-2.38280
2.010	1.924	.28670	.18050	-.01280	1.58760	-.19950	-.22490	-1.10470	9.53000	.48440	-2.69380
2.010	2.249	.28680	.18070	-.01360	1.58680	-.20000	-.22530	-1.13350	9.54000	.79060	-3.05780
2.010	2.517	.28790	.18070	-.01330	1.59360	-.19750	-.22360	-1.09700	9.53000	1.15190	-3.34500
2.010	2.835	.28750	.18070	-.01400	1.59020	-.19830	-.22260	-1.01130	9.52000	1.50520	-3.52800
2.010	3.113	.28770	.18110	-.01380	1.58830	-.19710	-.22310	-.89000	9.52000	1.94500	-3.72520
2.010	3.435	.28940	.18140	-.01380	1.59450	-.19930	-.22190	-.86200	9.52000	2.25130	-3.97540
2.010	3.764	.28930	.18110	-.01460	1.59730	-.19980	-.22150	-.79080	9.52000	2.64390	-4.22570
2.010	4.006	.28980	.18180	-.01500	1.59360	-.19920	-.22040	-.71950	9.51000	3.04440	-4.48350
2.010	4.243	.29020	.18190	-.01460	1.59550	-.19790	-.22030	-.75770	9.53000	3.24860	-4.76410
2.010	4.477	.28930	.18140	-.01470	1.59490	-.19880	-.22030	-.93110	9.52000	3.31140	-5.17370
2.010	4.907	.28960	.18130	-.01550	1.59680	-.19900	-.21840	-.96170	9.52000	3.51560	-5.43910
2.010	5.170	.28970	.18170	-.01540	1.59390	-.19850	-.21750	-.89630	9.52000	4.01040	-5.80310
2.010	5.515	.29120	.18220	-.01560	1.59810	-.19910	-.21750	-.83000	9.53000	4.34020	-6.00030
2.010	5.737	.29130	.18250	-.01570	1.59530	-.19930	-.21770	-.74300	9.52000	4.77210	-6.25810
2.010	6.016	.29030	.18200	-.01590	1.59480	-.20030	-.21710	-.61950	9.50000	5.11760	-6.35670
2.010	6.249	.29160	.18290	-.01730	1.59420	-.19850	-.21730	-.55290	9.51000	5.46320	-6.56910
2.010	6.523	.29060	.18250	-.01650	1.59190	-.20010	-.21820	-.49480	9.51000	5.75370	-6.74350
2.010	6.803	.29140	.18290	-.01680	1.59270	-.19890	-.21840	-.46310	9.51000	6.06000	-6.98620
2.010	7.263	.29040	.18300	-.01720	1.58620	-.19990	-.21670	-.35610	9.51000	6.54690	-7.25920
2.010	7.662	.29210	.18350	-.01760	1.59120	-.20010	-.21660	-.28430	9.52000	6.97880	-7.54740
2.010	7.910	.29280	.18370	-.01740	1.59370	-.19870	-.21700	-.17310	9.51000	7.48920	-7.83560
2.010	8.162	.29160	.18360	-.01790	1.58770	-.19690	-.21750	-.35780	9.51000	7.55210	-8.26790
2.010	8.584	.29180	.18380	-.01730	1.58790	-.19770	-.21720	-.30330	9.51000	7.85830	-8.46500
2.010	8.889	.29070	.18410	-.01800	1.58480	-.19750	-.21620	-.20720	9.51000	8.37660	-8.79110
2.010	9.213	.29170	.18400	-.01790	1.58010	-.19730	-.21590	-.21350	9.52000	8.67500	-9.10210
2.010	9.488	.29060	.18400	-.01780	1.57870	-.19640	-.21650	-.18470	9.51000	9.02840	-9.39780
2.010	9.885	.29190	.18480	-.01870	1.57940	-.19810	-.21530	-.21830	9.52000	9.27970	-9.71640
2.010	10.259	.29210	.18540	-.01860	1.57540	-.19710	-.21600	-.35430	9.52000	9.53100	-10.23960
2.010	10.591	.29210	.18560	-.01870	1.57420	-.19640	-.21660	-.37480	9.51000	9.88440	-10.63400
2.010	10.908	.29270	.18620	-.01880	1.57150	-.19840	-.21600	-.35350	9.52000	10.23780	-10.94490
2.010	10.908	.29340	.18630	-.01880	1.57470	-.19830	-.21670	-.32490	9.50000	10.58330	-11.23310

LA67 (LTV 552) ORBITER 49-0

(SF0115)

PARAMETRIC DATA

ALPHA	=	10.000	ELEVON	=	5.000
SPDRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 118/ 0 RN/L = 8.10

MACH	AILRON	CL	CO	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
1.510	-3.831	.43270	.23190	-.05020	1.86590	-.28830	-.32420	3.54610	9.51000	-.28510	7.37740
1.510	-3.363	.43230	.23130	-.04990	1.86860	-.28790	-.32570	3.16460	9.52000	-.19880	6.52800
1.510	-2.176	.43270	.23150	-.04960	1.86890	-.28990	-.32920	2.25940	9.53000	.08380	4.43490
1.510	-1.593	.43030	.23050	-.04960	1.86630	-.29180	-.33050	3.38940	9.53000	1.79580	4.98090
1.510	-1.208	.43150	.23050	-.04900	1.87130	-.29150	-.33170	3.30250	9.52000	2.09420	4.51070
1.510	-.838	.43310	.23140	-.04940	1.87150	-.28920	-.33050	3.31670	9.52000	2.47900	4.15430
1.510	-.461	.43020	.23030	-.04950	1.86760	-.28950	-.33390	3.45050	9.52000	2.98950	3.91160
1.510	-.184	.43010	.23030	-.04930	1.86760	-.28910	-.33600	3.38590	9.52000	3.20150	3.57040
1.510	.036	.43140	.23060	-.04970	1.87080	-.28910	-.33630	3.22000	9.52000	3.25650	3.18360
1.510	.275	.43070	.23070	-.04930	1.86700	-.28800	-.33560	3.16250	9.53000	3.43710	2.88780
1.510	.691	.43160	.23070	-.04920	1.87040	-.28770	-.33620	3.14660	9.51000	3.83760	2.45550
1.510	1.078	.43000	.23030	-.04930	1.86680	-.29050	-.33520	3.21500	9.52000	4.29310	2.13700
1.510	1.417	.43310	.23000	-.04890	1.88240	-.28660	-.32410	3.19780	9.52000	4.61500	1.78060
1.510	1.731	.43190	.23030	-.04950	1.87520	-.28690	-.32240	3.29970	9.52000	5.03120	1.56320
1.510	2.057	.43020	.22970	-.04900	1.87250	-.28750	-.32490	3.38260	9.52000	5.43960	1.32550
1.510	2.361	.43180	.23070	-.04960	1.87140	-.28800	-.32400	3.35320	9.51000	5.71440	.99190
1.510	2.756	.43200	.23090	-.04950	1.87030	-.28850	-.32600	3.42180	9.51000	6.17780	.66580
1.510	3.254	.43190	.23100	-.04920	1.86930	-.28770	-.32560	3.45750	9.52000	6.71180	.20310
1.510	3.732	.43190	.23010	-.04920	1.87670	-.28910	-.32500	3.41950	9.52000	7.15160	-.31250
1.510	4.156	.43140	.23080	-.04970	1.86880	-.28690	-.32440	3.38830	9.53000	7.54420	-.76750
1.510	4.649	.43170	.23100	-.04960	1.86830	-.28810	-.32670	3.35060	9.52000	7.99970	-1.29830
1.510	5.033	.43160	.23020	-.05000	1.87470	-.28780	-.32560	3.44600	9.52000	8.47870	-1.58650
1.510	5.289	.43110	.23040	-.05040	1.87070	-.28690	-.32330	3.51990	9.52000	8.80850	-1.76850
1.510	5.632	.43300	.23120	-.05090	1.87290	-.28680	-.32210	3.52980	9.51000	9.16190	-2.10220
1.510	5.856	.43140	.23060	-.05080	1.87090	-.28770	-.32180	3.51830	9.51000	9.37400	-2.33730
1.510	6.103	.43160	.23120	-.05120	1.86660	-.28770	-.32170	3.56120	9.51000	9.66450	-2.54210
1.510	6.413	.43410	.23240	-.05210	1.86780	-.28680	-.32180	3.61290	9.53000	10.02570	-2.79990
1.510	6.691	.43320	.23190	-.05240	1.86760	-.28760	-.32300	3.64090	9.51000	10.33200	-3.05020
1.510	7.036	.43330	.23230	-.05230	1.86550	-.28710	-.32300	3.74330	9.51000	10.77960	-3.29290
1.510	7.316	.43590	.23390	-.05310	1.86330	-.28460	-.32260	3.82540	9.52000	11.14090	-3.49010
1.510	7.690	.43450	.23340	-.05370	1.86090	-.28810	-.32200	4.08650	9.51000	11.77700	-3.60380
1.510	8.026	.43400	.23350	-.05430	1.85890	-.28750	-.32160	4.29300	9.51000	12.31880	-3.73270
1.510	8.407	.43630	.23470	-.05590	1.85850	-.28580	-.31910	4.22630	9.51000	12.63290	-4.18020
1.510	8.634	.43730	.23580	-.05590	1.85450	-.28390	-.31680	4.21100	9.52000	12.84500	-4.42290
1.510	8.946	.43850	.23630	-.05680	1.85610	-.28410	-.31620	4.20490	9.52000	13.15120	-4.74140
1.510	9.345	.43800	.23620	-.05650	1.85460	-.28390	-.31740	4.29290	9.51000	13.63810	-5.05230
1.510	9.572	.43720	.23620	-.05610	1.85070	-.28480	-.31800	4.25440	9.51000	13.82660	-5.31780

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 417

LA67 (LTV 552) ORBITER 49-0

(SFD115)

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = 5.000
 SPDRK = 55.000 RN/L = 8.000
 GRITNO = .000 RCSPOS = 1.000
 BETA = .000 BOFLAP = .000
 RUDDER = .000

RUN NO. 106/ 0 RN/L = 8.35

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
2.010	-6.803	.29830	.18540	-.02410	1.60870	-.26960	-.21450	1.92400	9.54000	-4.87910	8.72730
2.010	-6.475	.29800	.18530	-.02410	1.60770	-.19830	-.21600	1.94910	9.54000	-4.52580	8.42400
2.010	-6.251	.30010	.18520	-.02400	1.62030	-.20040	-.21580	1.98380	9.53000	-4.26660	8.23440
2.010	-5.983	.29980	.18540	-.02440	1.61690	-.20150	-.21810	2.04640	9.54000	-3.93680	8.02960
2.010	-5.748	.29820	.18490	-.02400	1.61230	-.20210	-.21850	2.04660	9.54000	-3.70120	7.79450
2.010	-5.459	.30000	.18530	-.02380	1.61840	-.20250	-.21870	2.00920	9.54000	-3.44990	7.46840
2.010	-5.035	.29880	.18500	-.02360	1.61460	-.20310	-.21920	2.19020	9.53000	-2.84520	7.22570
2.010	-4.749	.30050	.18570	-.02390	1.61830	-.20310	-.22070	2.23380	9.54000	-2.51540	6.98310
2.010	-4.533	.29960	.18560	-.02370	1.61420	-.20490	-.22120	2.23760	9.54000	-2.29550	6.77070
2.010	-4.317	.29910	.18510	-.02410	1.61520	-.20370	-.22370	2.24130	9.52000	-2.07560	6.55840
2.010	-3.991	.29960	.18510	-.02400	1.61850	-.20520	-.22440	2.32420	9.52000	-1.66730	6.31570
2.010	-3.709	.29990	.18550	-.02480	1.61690	-.20440	-.22390	2.35610	9.54000	-1.35310	6.06540
2.010	-3.272	.29870	.18530	-.02460	1.61170	-.20440	-.22420	2.45250	9.54000	-.81910	5.72420
2.010	-2.971	.29970	.18500	-.02360	1.61950	-.20310	-.22510	2.41910	9.55000	-.55210	5.39050
2.010	-2.728	.30080	.18580	-.02350	1.61820	-.20280	-.22470	2.41180	9.55000	-.31660	5.14020
2.010	-2.477	.30110	.18570	-.02360	1.62110	-.20310	-.22610	2.43540	9.55000	-.04170	4.91270
2.010	-2.223	.29950	.18530	-.02380	1.61570	-.20470	-.22770	2.41670	9.54000	.19380	4.63970
2.010	-1.927	.29970	.18570	-.02430	1.61350	-.20410	-.22670	2.35630	9.54000	.42940	4.28320
2.010	-1.700	.29980	.18550	-.02450	1.61600	-.20390	-.22830	2.33330	9.55000	.63360	4.03300
2.010	-1.406	.30070	.18600	-.02390	1.61610	-.20420	-.22900	2.36150	9.56000	.95550	3.76750
2.010	-1.032	.30090	.18590	-.02430	1.61850	-.20340	-.22960	2.53780	9.55000	1.50520	3.57040
2.010	-.766	.29980	.18550	-.02360	1.61620	-.20610	-.22920	2.56170	9.54000	1.79580	3.32770
2.010	-.534	.30070	.18630	-.02510	1.61400	-.20560	-.22900	2.58890	9.53000	2.05500	3.12290
2.010	-.181	.30020	.18590	-.02490	1.61420	-.20550	-.22910	2.67610	9.55000	2.49470	2.85750
2.010	.261	.30030	.18580	-.02480	1.61610	-.20350	-.22880	2.83040	9.55000	3.09160	2.56930
2.010	.636	.29960	.18580	-.02430	1.61230	-.20620	-.22990	2.64410	9.55000	3.28000	2.00810
2.010	.968	.30150	.18620	-.02480	1.61910	-.20550	-.22940	2.64980	9.54000	3.61770	1.68200
2.010	1.255	.30300	.18700	-.02540	1.62000	-.20550	-.22900	2.77060	9.55000	4.02610	1.51510
2.010	1.515	.30220	.18660	-.02520	1.61890	-.20680	-.22770	2.86390	9.55000	4.37940	1.34830
2.010	1.740	.30130	.18640	-.02540	1.61640	-.20720	-.22820	2.92180	9.53000	4.66220	1.18150
2.010	1.979	.30150	.18640	-.02610	1.61710	-.20740	-.22700	2.88740	9.54000	4.86630	.90840
2.010	2.226	.30220	.18690	-.02640	1.61680	-.20830	-.22740	2.89170	9.54000	5.11760	.66580
2.010	2.507	.30210	.18650	-.02650	1.61970	-.20740	-.22780	2.86190	9.54000	5.36890	.35480
2.010	2.792	.30340	.18730	-.02670	1.62000	-.20670	-.22590	2.85140	9.53000	5.64380	.05910
2.010	3.151	.30330	.18710	-.02720	1.62070	-.20650	-.22540	2.83070	9.53000	5.98150	-.32000
2.010	3.609	.30300	.18700	-.02690	1.62030	-.20590	-.22550	3.00840	9.54000	6.61760	-.60060
2.010	4.020	.30250	.18730	-.02720	1.61490	-.20670	-.22310	3.13130	9.55000	7.15150	-.88880

LA67 (LTV 552) ORBITER 49-0

(SFD116)

PARAMETRIC DATA

ALPHA	=	12.000	ELEVON	=	-10.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 122/ 0 RN/L = 8.12

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
1.510	-3.105	.44740	.24360	-.00700	1.83640	-.27790	-.32480	-9.46200	11.48000	-12.56720	-6.35670
1.510	-2.777	.44380	.24210	-.00710	1.83320	-.28000	-.32550	-9.44470	11.45000	-12.22170	-6.66770
1.510	-2.537	.44540	.24250	-.00690	1.83640	-.27920	-.32390	-9.37890	11.45000	-11.91540	-6.84210
1.510	-2.131	.44410	.24160	-.00750	1.83780	-.28110	-.32190	-9.14020	11.45000	-11.27150	-7.00890
1.510	-1.915	.44510	.24180	-.00790	1.84060	-.28110	-.32110	-9.12100	11.45000	-11.03590	-7.20610
1.510	-1.463	.44410	.24130	-.00830	1.84020	-.28070	-.31810	-9.07070	11.46000	-10.53330	-7.60810
1.510	-1.174	.44590	.24150	-.00810	1.84630	-.28020	-.31650	-9.09260	11.45000	-10.26630	-7.91900
1.510	-.915	.44890	.24280	-.00850	1.84830	-.27970	-.31430	-9.06880	11.45000	-9.98360	-8.15410
1.510	-.522	.44550	.24140	-.00850	1.84570	-.27900	-.31410	-9.09290	11.45000	-9.61450	-8.57120
1.510	-.313	.44780	.24190	-.00840	1.85040	-.27630	-.31270	-9.10470	11.45000	-9.41820	-8.79110
1.510	.130	.44650	.24210	-.00820	1.84410	-.27960	-.31260	-9.13160	11.44000	-9.00200	-9.26130
1.510	.389	.44750	.24260	-.00870	1.84390	-.27970	-.31390	-9.10010	11.45000	-8.71140	-9.48880
1.510	.686	.44680	.24230	-.00780	1.84400	-.27980	-.31430	-9.15700	11.44000	-8.49150	-9.82250
1.510	.914	.44490	.24140	-.00750	1.84240	-.27960	-.31520	-9.26460	11.44000	-8.35020	-10.17300
1.510	1.203	.44620	.24210	-.00810	1.84330	-.27660	-.31530	-9.33280	11.44000	-8.13030	-10.53540
1.510	1.434	.44530	.24150	-.00690	1.84360	-.27880	-.31580	-9.31340	11.45000	-7.87900	-10.74780
1.510	1.659	.44730	.24210	-.00720	1.84720	-.27830	-.31690	-9.27090	11.44000	-7.61200	-10.92980
1.510	1.926	.44520	.24180	-.00730	1.84100	-.27720	-.31600	-9.23920	11.44000	-7.31360	-11.16490
1.510	2.275	.44490	.24180	-.00690	1.83990	-.27900	-.31670	-9.34500	11.44000	-7.07010	-11.61990
1.510	2.693	.44650	.24260	-.00760	1.84040	-.27820	-.31720	-9.48050	11.44000	-6.78740	-12.17350
1.510	2.910	.44590	.24290	-.00690	1.83530	-.27740	-.31540	-9.45350	11.46000	-6.54400	-12.36310
1.510	3.157	.44520	.24220	-.00640	1.83790	-.27970	-.31490	-9.42610	11.45000	-6.26910	-12.58300
1.510	3.468	.44610	.24240	-.00680	1.84040	-.28050	-.31570	-9.29720	11.45000	-5.82940	-12.76500
1.510	3.734	.44590	.24270	-.00710	1.83680	-.27940	-.31520	-9.29640	11.45000	-5.56240	-13.03050
1.510	4.104	.44510	.24260	-.00740	1.83420	-.27990	-.31450	-9.29770	11.44000	-5.19330	-13.40210
1.510	4.548	.44660	.24330	-.00630	1.83580	-.27880	-.31500	-9.28610	11.46000	-4.73780	-13.83440
1.510	5.007	.44580	.24400	-.00590	1.82720	-.27700	-.31470	-9.29740	11.47000	-4.29020	-14.30460
1.510	5.358	.44490	.24380	-.00650	1.82460	-.27790	-.31440	-9.10610	11.45000	-3.74830	-14.46380
1.510	5.661	.44360	.24350	-.00640	1.82150	-.27870	-.31410	-9.21270	11.45000	-3.55200	-14.87330
1.510	6.095	.44470	.24530	-.00720	1.81280	-.28040	-.31550	-7.77760	11.45000	-1.68300	-13.87230
1.510	8.045	.44500	.24610	-.00830	1.80820	-.27920	-.31640	-9.45270	11.46000	-1.40810	-17.49730
1.510	8.830	.44440	.24540	-.00830	1.81080	-.28260	-.31680	-9.96370	11.44000	-1.13330	-18.79420
1.510	9.149	.44390	.24590	-.00830	1.80500	-.28070	-.31740	-10.03150	11.45000	-.88200	-19.18090
1.510	10.245	.44440	.24710	-.00890	1.79860	-.28140	-.32070	-10.50620	11.44000	-.26160	-20.75080
1.510	10.885	.44530	.24700	-.00950	1.80280	-.28270	-.31980	-11.15470	11.44000	-.26940	-22.04080

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD117)

PARAMETRIC DATA

ALPHA	=	15.000	ELEVON	=	.000
SPDRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPDS	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 104/ 0 RN/L = 8.35

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
2.010	-3.271	.46520	.24640	-.02240	1.88720	-.21280	-.24060	-1.06600	14.53000	-4.33730	2.20530
2.010	-3.045	.46270	.24540	-.02190	1.88540	-.21510	-.24100	-1.14300	14.51000	-4.18810	1.90190
2.010	-2.759	.46450	.24600	-.02180	1.88780	-.21260	-.24110	-1.12260	14.53000	-3.88180	1.63650
2.010	-2.371	.46230	.24490	-.02170	1.88750	-.21490	-.24140	-1.00780	14.51000	-3.37920	1.36350
2.010	-2.052	.46370	.24550	-.02180	1.88840	-.21480	-.24180	-1.03700	14.51000	-3.08870	1.01460
2.010	-1.579	.46460	.24590	-.02180	1.88910	-.21430	-.24140	-.91360	14.53000	-2.49180	.66580
2.010	-1.166	.46340	.24550	-.02240	1.88760	-.21530	-.24080	-.92510	14.51000	-2.09130	.24110
2.010	-.805	.46400	.24550	-.02150	1.88940	-.21390	-.24220	-.98820	14.52000	-1.79290	-.18350
2.010	-.323	.46340	.24550	-.02210	1.88720	-.21530	-.24130	-1.03770	14.52000	-1.36100	-.71440
2.010	.036	.46340	.24550	-.02160	1.88680	-.21680	-.23960	-1.02760	14.53000	-.99190	-1.06320
2.010	.305	.46300	.24550	-.02180	1.88580	-.21540	-.23940	-1.05370	14.53000	-.74850	-1.35900
2.010	.626	.46350	.24550	-.02230	1.88800	-.21700	-.23930	-1.02890	14.52000	-.40290	-1.65480
2.010	.869	.46360	.24560	-.02210	1.88750	-.21480	-.24200	-1.02850	14.53000	-.15950	-1.89750
2.010	1.142	.46390	.24540	-.02200	1.89060	-.21550	-.24180	-1.08160	14.51000	.06030	-2.22360
2.010	1.551	.46380	.24570	-.02190	1.88770	-.21600	-.24130	-1.09760	14.53000	.45290	-2.64850
2.010	1.890	.46320	.24520	-.02200	1.88970	-.21650	-.24270	-1.13030	14.51000	.75920	-3.01990
2.010	2.218	.46360	.24590	-.02240	1.88520	-.21690	-.24200	-1.12070	14.52000	1.09690	-3.33840
2.010	2.547	.46250	.24530	-.02190	1.88510	-.21680	-.24270	-1.04940	14.51000	1.49740	-3.59620
2.010	2.853	.46480	.24630	-.02170	1.88720	-.21660	-.24190	-.97070	14.52000	1.88220	-3.82370
2.010	3.151	.46450	.24630	-.02170	1.88540	-.21720	-.24120	-.90770	14.53000	2.24340	-4.05880
2.010	3.510	.46430	.24630	-.02270	1.88470	-.21710	-.24210	-.88980	14.52000	2.62040	-4.40010
2.010	3.917	.46340	.24610	-.02270	1.88270	-.21900	-.24100	-.80940	14.52000	3.10730	-4.72620
2.010	4.166	.46420	.24610	-.02240	1.88590	-.21920	-.24110	-.87070	14.51000	3.29570	-5.03720
2.010	4.432	.46490	.24700	-.02300	1.88190	-.21710	-.24120	-1.10520	14.52000	3.32710	-5.53770
2.010	4.733	.46440	.24710	-.02330	1.87930	-.21750	-.24140	-1.10000	14.52000	3.63340	-5.83350
2.010	5.105	.46430	.24670	-.02260	1.88160	-.21730	-.24140	-1.02410	14.51000	4.08100	-6.12920
2.010	5.388	.46480	.24650	-.02300	1.88520	-.21830	-.23910	-.97670	14.50000	4.41090	-6.36430
2.010	5.779	.46340	.24630	-.02340	1.88170	-.21790	-.23700	-.87340	14.51000	4.90560	-6.65250
2.010	6.103	.46470	.24740	-.02390	1.87790	-.21590	-.23660	-.86780	14.52000	5.23540	-6.97100
2.010	6.405	.46540	.24740	-.02330	1.88060	-.21780	-.23780	-.82390	14.51000	5.58090	-7.22890
2.010	6.694	.46480	.24770	-.02440	1.87650	-.21630	-.23710	-.86130	14.50000	5.83220	-7.55500
2.010	7.110	.46350	.24720	-.02410	1.87450	-.21640	-.23820	-.86180	14.51000	6.24850	-7.97210
2.010	7.495	.46420	.24750	-.02490	1.87550	-.21700	-.23850	-.70460	14.50000	6.79030	-8.19960
2.010	7.826	.46540	.24800	-.02550	1.87600	-.21500	-.24090	-.54060	14.52000	7.28500	-8.36640
2.010	8.101	.46550	.24820	-.02570	1.87540	-.21130	-.24080	-.47030	14.51000	7.63060	-8.57120
2.010	8.610	.46660	.24890	-.02570	1.87440	-.20890	-.23780	-.46910	14.50000	8.14100	-9.07930
2.010	8.963	.46680	.24890	-.02590	1.87480	-.20950	-.23740	-.35110	14.52000	8.61220	-9.31440
2.010	9.185	.46650	.24870	-.02610	1.87510	-.20800	-.23590	-.25850	14.51000	8.92630	-9.44330
2.010	9.663	.46590	.24900	-.02750	1.87060	-.20630	-.23160	-.29640	14.51000	9.36610	-9.95900

LA67 (LTV 552) ORBITER 49-0

(SFD118)

PARAMETRIC DATA

ALPHA	=	15.000	ELEVON	=	5.000
SPOBRK	=	55.000	RN/L	=	8.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 105/ 0 RN/L = 8.14

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
2.010	-7.219	.47700	.25190	-.03260	1.89330	-.21350	-.23230	1.73550	14.49000	-5.48380	8.95490
2.010	-7.011	.47720	.25200	-.03300	1.89310	-.21260	-.23350	1.74680	14.50000	-5.26390	8.75770
2.010	-6.767	.47660	.25150	-.03250	1.89450	-.21460	-.23400	1.80120	14.48000	-4.96550	8.56810
2.010	-6.482	.47520	.25100	-.03310	1.89300	-.21310	-.23450	1.74450	14.49000	-4.73780	8.22680
2.010	-6.246	.47590	.25120	-.03220	1.89440	-.21510	-.23420	1.78330	14.49000	-4.46290	8.02960
2.010	-5.977	.47470	.25080	-.03240	1.89260	-.21450	-.23510	1.74170	14.49000	-4.23520	7.71870
2.010	-5.684	.47490	.25090	-.03190	1.89250	-.21500	-.23510	1.73910	14.49000	-3.94460	7.42290
2.010	-5.212	.47280	.25000	-.03190	1.89100	-.21510	-.23660	1.79360	14.50000	-3.41850	7.00580
2.010	-4.824	.47470	.25090	-.03230	1.89190	-.21710	-.23580	1.93160	14.51000	-2.89230	6.75550
2.010	-4.487	.47440	.25050	-.03130	1.89390	-.21720	-.23700	2.03390	14.50000	-2.45260	6.52050
2.010	-4.263	.47510	.25060	-.03110	1.89570	-.21790	-.23660	2.02240	14.50000	-2.24050	6.28540
2.010	-3.974	.47550	.25120	-.03200	1.89280	-.21690	-.23750	1.99270	14.52000	-1.98140	5.96680
2.010	-3.673	.47450	.25090	-.03180	1.89110	-.21620	-.23760	1.99020	14.52000	-1.68300	5.66350
2.010	-3.406	.47410	.25040	-.03190	1.89350	-.21650	-.23670	2.03730	14.49000	-1.36890	5.44360
2.010	-3.038	.47500	.25010	-.03190	1.89860	-.21630	-.23790	2.10930	14.50000	-.92910	5.14780
2.010	-2.702	.47560	.25070	-.03190	1.89680	-.21760	-.23790	2.12670	14.51000	-.57570	4.82930
2.010	-2.478	.47490	.25060	-.03220	1.89520	-.21620	-.23770	2.19240	14.50000	-.28510	4.67000
2.010	-2.220	.47470	.25040	-.03210	1.89560	-.21600	-.23790	2.13900	14.50000	-.08100	4.35910
2.010	-1.997	.47450	.25050	-.03220	1.89430	-.21770	-.23950	2.09660	14.50000	.09960	4.09360
2.010	-1.711	.47660	.25100	-.03210	1.89860	-.21570	-.23870	2.11700	14.50000	.40580	3.82820
2.010	-1.454	.47490	.25020	-.03160	1.89790	-.21600	-.23900	2.03280	14.50000	.57860	3.48690
2.010	-1.227	.47390	.25000	-.03220	1.89520	-.21720	-.23990	1.98660	14.50000	.75920	3.21390
2.010	-.808	.47420	.25000	-.03220	1.89640	-.21630	-.23970	2.16360	14.50000	1.35600	2.97120
2.010	-.533	.47580	.25040	-.03250	1.89950	-.21680	-.24010	2.21090	14.50000	1.67800	2.74370
2.010	-.293	.47580	.25040	-.03280	1.89980	-.21730	-.24040	2.21500	14.50000	1.92140	2.50860
2.010	.012	.47550	.25040	-.03220	1.89900	-.21540	-.23970	2.26280	14.50000	2.27480	2.25080
2.010	.353	.47570	.25050	-.03220	1.89880	-.21560	-.23960	2.36910	14.51000	2.72250	2.01570
2.010	.844	.47420	.25000	-.03250	1.89630	-.21730	-.24100	2.38150	14.51000	3.22510	1.53790
2.010	1.179	.47550	.25050	-.03310	1.89800	-.21810	-.24140	2.35260	14.52000	3.53130	1.17390
2.010	1.497	.47740	.25120	-.03310	1.90010	-.21930	-.24000	2.45070	14.51000	3.94750	.95390
2.010	2.03	.47680	.25130	-.03360	1.89680	-.21770	-.23940	2.51390	14.49000	4.31660	.71130
2.010	2.134	.47760	.25160	-.03270	1.89840	-.21790	-.23940	2.46570	14.50000	4.59930	.33210
2.010	2.438	.47690	.25110	-.03290	1.89850	-.21990	-.24070	2.44400	14.51000	4.88200	.00600
2.010	2.721	.47720	.25180	-.03320	1.89520	-.21900	-.23960	2.32550	14.50000	5.04690	-.39590
2.010	3.002	.47700	.25170	-.03320	1.89490	-.21900	-.23950	2.24160	14.50000	5.24330	-.75990
2.010	3.284	.47830	.25230	-.03370	1.89540	-.21850	-.24050	2.29670	14.52000	5.58090	-.98740
2.010	3.501	.47710	.25150	-.03380	1.89650	-.21770	-.24030	2.34680	14.50000	5.84800	-1.15430
2.010	3.781	.47730	.25190	-.03400	1.89440	-.21800	-.23940	2.44430	14.51000	6.22490	-1.33630
2.010	4.227	.47680	.25160	-.03390	1.89510	-.21790	-.23920	2.58710	14.50000	6.81390	-1.63960

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD119)

PARAMETRIC DATA

ALPHA =	10.000	ELEVON =	.000
SPDRK =	55.000	RN/L =	10.000
GRITNO =	.000	RCSPDS =	1.000
BETA =	.000	BDFLAP =	.000
RUDDER =	.000		

RUN NO. 92/ 0 RN/L = 10.55

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
2.990	1.948	.20370	.13390	-.00430	1.52150	-.09740	-.11960	-3.30900	9.97000	-1.36100	-5.25710
2.990	2.436	.20560	.13460	-.00340	1.52700	-.10170	-.12190	-3.44330	9.97000	-1.00760	-5.87900
2.990	2.775	.20420	.13430	-.00330	1.52050	-.10200	-.12240	-3.42190	9.97000	-.64640	-6.19750
2.990	2.996	.20400	.13400	-.00420	1.52220	-.09970	-.12390	-3.39880	9.98000	-.40290	-6.39470
2.990	3.296	.20410	.13420	-.00340	1.52050	-.10220	-.12420	-3.41670	9.98000	-.12020	-6.71320
2.990	3.547	.20490	.13440	-.00390	1.52400	-.10030	-.12530	-3.43160	10.00000	.11530	-6.97860
2.990	3.845	.20470	.13450	-.00350	1.52140	-.10070	-.12570	-3.39940	10.00000	.44510	-7.24400
2.990	4.106	.20510	.13420	-.00360	1.52760	-.10000	-.12540	-3.44890	9.98000	.65710	-7.55500
2.990	4.392	.20500	.13430	-.00430	1.52630	-.09970	-.12560	-3.42650	9.99000	.96340	-7.82040
2.990	4.709	.20560	.13460	-.00420	1.52720	-.10050	-.12500	-3.36890	9.99000	1.34030	-8.07830
2.990	5.063	.20450	.13440	-.00480	1.52120	-.09960	-.12570	-3.24320	10.00000	1.81940	-8.30580
2.990	5.326	.20430	.13420	-.00480	1.52230	-.09830	-.12570	-3.20000	9.99000	2.12560	-8.52570
2.990	5.640	.20620	.13490	-.00440	1.52860	-.09810	-.12530	-3.11350	10.00000	2.52610	-8.75320
2.990	6.027	.20480	.13430	-.00510	1.52450	-.09960	-.12370	-2.99870	9.98000	3.02870	-9.02520
2.990	6.317	.20520	.13450	-.00550	1.52600	-.09930	-.12340	-2.99750	9.98000	3.31930	-9.31440
2.990	6.527	.20590	.13490	-.00480	1.52660	-.09730	-.12370	-3.12120	10.00000	3.40570	-9.64810
2.990	6.828	.20480	.13470	-.00470	1.52060	-.09670	-.12260	-3.32810	9.99000	3.49990	-10.15620
2.990	7.249	.20560	.13510	-.00580	1.52220	-.09860	-.12240	-3.30920	9.99000	3.93970	-10.56820
2.990	7.631	.20580	.13480	-.00550	1.52670	-.09890	-.12090	-3.30640	9.98000	4.32450	-10.93740
2.990	7.987	.20460	.13480	-.00560	1.51740	-.09680	-.12160	-3.26930	9.99000	4.71710	-11.25590
2.990	8.372	.20620	.13550	-.00500	1.52150	-.09870	-.12110	-3.30890	9.98000	5.06270	-11.68060
2.990	8.762	.20550	.13550	-.00530	1.51640	-.09720	-.12150	-3.25970	9.99000	5.50240	-12.02180
2.990	9.016	.20660	.13560	-.00610	1.52270	-.09850	-.12000	-3.30150	9.97000	5.71450	-12.31760
2.990	9.356	.20640	.13560	-.00640	1.52160	-.09690	-.12080	-3.28020	9.98000	6.07570	-12.63610
2.990	9.758	.20540	.13580	-.00630	1.51240	-.09700	-.12090	-3.21910	9.99000	6.53900	-12.97740
2.990	10.192	.20670	.13630	-.00590	1.51640	-.09790	-.11990	-3.11900	9.98000	7.07300	-13.31110
2.990	10.514	.20670	.13650	-.00710	1.51360	-.09780	-.12120	-3.01690	9.98000	7.49710	-13.53100
2.990	10.768	.20650	.13650	-.00750	1.51280	-.09720	-.12060	-3.07420	9.98000	7.69340	-13.84190
2.990	11.032	.20760	.13690	-.00670	1.51610	-.09870	-.12030	-3.18920	9.98000	7.84260	-14.22110
2.990	11.322	.20780	.13700	-.00760	1.51630	-.09830	-.12000	-3.16490	9.98000	8.15670	-14.48660
2.990	11.713	.20730	.13710	-.00800	1.51150	-.09760	-.12020	-3.06160	9.98000	8.65150	-14.77480
2.990	12.274	.20820	.13770	-.00690	1.51150	-.09980	-.12010	-3.22160	9.97000	9.05200	-15.49520
2.990	13.416	.20800	.13780	-.00830	1.50860	-.10010	-.12070	-4.08130	9.97000	9.33470	-17.49730

LA67 (LTV 552) ORBITER 49-0

(SFD120)

PARAMETRIC DATA

ALPHA	=	15.000	ELEVON	=	.000
SPOBRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDFLAP	=	.000
RUDDER	=	.000			

RUN NO. 93/ 0 RN/L = 10.73

MACH	AIRLON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
2.990	1.177	.35460	.19020	-.01140	1.86380	-.11010	-.12940	-2.62420	15.03000	-1.44740	-3.80100
2.990	1.519	.35280	.18990	-.01110	1.85760	-.11070	-.13100	-2.68380	15.03000	-1.16470	-4.20290
2.990	1.874	.35450	.19010	-.01080	1.86410	-.11140	-.13160	-2.68530	15.05000	-.81130	-4.55940
2.990	2.202	.35410	.19020	-.01140	1.86140	-.11000	-.13070	-2.69120	15.04000	-.48930	-4.89310
2.990	2.528	.35340	.19000	-.01140	1.85990	-.11050	-.13080	-2.78190	15.04000	-.25370	-5.31020
2.990	2.867	.35320	.19000	-.01130	1.85870	-.11060	-.13110	-2.81460	15.05000	.05240	-5.68180
2.990	3.241	.35320	.19010	-.01090	1.85810	-.11060	-.13190	-2.81190	15.06000	.42940	-6.05340
2.990	3.523	.35310	.18990	-.01100	1.85900	-.10960	-.13160	-2.83410	15.04000	.68850	-6.35670
2.990	3.843	.35260	.18980	-.01130	1.85740	-.10940	-.13040	-2.80920	15.03000	1.03410	-6.65250
2.990	4.237	.35360	.19010	-.01190	1.86020	-.11110	-.13040	-2.78890	15.03000	1.45030	-7.02410
2.990	4.613	.35500	.19070	-.01140	1.86070	-.10820	-.13110	-2.71470	15.05000	1.89790	-7.32750
2.990	4.941	.35400	.19080	-.01150	1.85500	-.11010	-.13080	-2.71290	15.03000	2.22770	-7.65360
2.990	5.393	.35420	.19090	-.01220	1.85500	-.10990	-.13090	-2.63940	15.03000	2.75390	-8.03280
2.990	5.761	.35520	.19100	-.01230	1.85920	-.10990	-.13030	-2.57510	15.03000	3.18580	-8.33510
2.990	6.159	.35290	.19070	-.01230	1.85060	-.10960	-.13000	-2.76110	15.03000	3.39780	-8.92010
2.990	6.399	.35580	.19160	-.01230	1.85680	-.10890	-.13100	-2.68740	15.03000	3.71190	-9.08690
2.990	6.698	.35680	.19220	-.01260	1.85570	-.10870	-.13040	-2.62440	15.05000	4.07320	-9.32200
2.990	7.057	.35560	.19190	-.01370	1.85290	-.10970	-.12960	-2.59110	15.04000	4.46580	-9.64810
2.990	7.441	.35540	.19200	-.01270	1.85060	-.10800	-.13130	-2.66930	15.02000	4.77210	-10.11070
2.990	7.893	.35440	.19180	-.01340	1.84720	-.10810	-.13120	-2.65750	15.02000	5.23540	-10.55060
2.990	8.171	.35490	.19230	-.01360	1.84540	-.10920	-.13120	-2.66810	15.03000	5.50240	-10.83880
2.990	8.500	.35530	.19250	-.01370	1.84570	-.10740	-.13140	-2.55820	15.03000	5.94220	-11.05870
2.990	8.821	.35630	.19290	-.01390	1.84620	-.11010	-.13040	-2.53330	15.03000	6.28770	-11.35450
2.990	9.260	.35690	.19350	-.01410	1.84450	-.10920	-.13100	-2.35980	15.04000	6.90030	-11.61990
2.990	9.583	.35670	.19360	-.01520	1.84260	-.11020	-.13070	-2.21140	15.03000	7.37140	-11.79430
2.990	9.915	.35700	.19390	-.01530	1.84060	-.10880	-.13150	-2.19790	15.03000	7.71700	-12.11280
2.990	10.457	.35840	.19470	-.01530	1.84040	-.10860	-.13170	-2.32350	15.04000	8.13320	-12.78020
2.990	10.812	.35920	.19510	-.01560	1.84060	-.10690	-.13040	-2.29410	15.04000	8.51800	-13.10630
2.990	11.238	.35790	.19500	-.01600	1.83490	-.10730	-.13060	-2.18640	15.03000	9.05200	-13.42480
2.990	11.535	.35790	.19520	-.01530	1.83380	-.10640	-.12970	-2.20050	15.04000	9.33470	-13.73580
2.990	11.773	.35860	.19550	-.01640	1.83390	-.10620	-.12970	-2.26580	15.04000	9.50750	-14.03910
2.990	12.062	.35950	.19620	-.01580	1.83230	-.10700	-.13120	-2.29550	15.03000	9.76660	-14.35760
2.990	12.409	.35970	.19620	-.01590	1.83320	-.10690	-.13120	-2.32030	15.04000	10.08860	-14.72920
2.990	13.048	.35930	.19660	-.01620	1.82680	-.10620	-.13060	-2.20500	15.05000	10.84250	-15.25250
2.990	13.853	.36060	.19760	-.01720	1.82460	-.10530	-.12970	-2.45330	15.04000	11.40000	-16.30670
2.990	14.138	.36080	.19760	-.01770	1.82540	-.10210	-.12970	-1.83490	15.04000	12.30310	-15.97300

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 423

LA67 (LTV 552) ORBITER 49-0

(SFD121)

PARAMETRIC DATA

ALPHA	=	15.000	ELEVON	=	5.000
SPDRK	=	55.000	RN/L	=	10.000
GRITNO	=	.000	RCSP05	=	1.000
BETA	=	.000	BDCLAP	=	.000
RUDER	=	.000			

RUN NO. 94/ 0 RN/L = 10.05

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
2.990	.189	.36800	.19580	-.02220	1.87940	-.10840	-.12920	3.14550	15.03000	3.33500	2.95610
2.990	.528	.36570	.19490	-.02190	1.87580	-.10890	-.13000	2.90070	15.03000	3.42920	2.37210
2.990	1.000	.36780	.19570	-.02200	1.87920	-.11050	-.13080	2.71990	15.04000	3.71980	1.71990
2.990	1.361	.36570	.19510	-.02230	1.87400	-.10810	-.13030	2.85350	15.02000	4.21450	1.49240
2.990	1.686	.36490	.19460	-.02220	1.87500	-.10810	-.13080	2.92860	15.02000	4.61500	1.24210
2.990	2.095	.36540	.19480	-.02270	1.87550	-.10790	-.13080	2.93570	15.02000	5.03120	.84020
2.990	2.505	.36460	.19460	-.02250	1.87340	-.10770	-.13070	2.97370	15.01000	5.47890	.46860
2.990	2.854	.36720	.19590	-.02260	1.87430	-.10940	-.13040	2.84480	15.01000	5.69880	-.00910
2.990	3.243	.36730	.19560	-.02340	1.87720	-.10940	-.12970	2.78600	15.00000	6.02860	-.45650
2.990	3.711	.36690	.19590	-.02290	1.87250	-.10960	-.13040	2.86740	15.02000	6.57830	-.84330
2.990	4.146	.36520	.19530	-.02320	1.87030	-.10860	-.13040	3.01390	15.01000	7.15840	-1.13150
2.990	4.509	.36690	.19600	-.02350	1.87150	-.10990	-.13020	3.06650	15.02000	7.57560	-1.44240
2.990	4.764	.36660	.19620	-.02380	1.86850	-.10930	-.13040	3.06330	15.00000	7.82690	-1.70030
2.990	5.418	.36730	.19640	-.02360	1.87030	-.10950	-.12940	2.97440	15.00000	8.39230	-2.44350
2.990	5.832	.36640	.19640	-.02410	1.86550	-.11100	-.13040	3.06260	15.00000	8.89490	-2.76960
2.990	6.191	.36710	.19690	-.02470	1.86410	-.10940	-.13090	3.07270	15.01000	9.26400	-3.11850
2.990	6.417	.36840	.19740	-.02450	1.86570	-.10990	-.13090	2.95710	15.01000	9.37400	-3.45970
2.990	6.695	.36830	.19720	-.02500	1.86720	-.11110	-.13010	2.96190	14.99000	9.65670	-3.73270
2.990	6.946	.36720	.19710	-.02550	1.86310	-.11010	-.13010	2.99330	15.00000	9.93940	-3.95270
2.990	7.333	.36890	.19820	-.02550	1.86110	-.10920	-.13110	3.05410	15.01000	10.38700	-4.27880
2.990	7.668	.36930	.19820	-.02560	1.86300	-.10990	-.13020	3.04830	15.00000	10.71680	-4.62000
2.990	8.093	.36990	.19860	-.02580	1.86260	-.10920	-.13120	3.07890	15.00000	11.17230	-5.01440
2.990	8.585	.37010	.19880	-.02600	1.86150	-.10900	-.13040	3.18390	15.00000	11.76910	-5.40120
2.990	9.004	.37100	.19950	-.02640	1.85910	-.11020	-.13150	3.28380	15.00000	12.28740	-5.71970
2.990	9.339	.36930	.19910	-.02700	1.85460	-.10910	-.13160	3.26260	15.01000	12.60150	-6.07610
2.990	9.591	.37080	.19980	-.02690	1.85520	-.11020	-.13060	3.12820	14.99000	12.71930	-6.46290
2.990	9.821	.36960	.19960	-.02710	1.85180	-.10960	-.13040	3.05500	14.99000	12.87640	-6.76630
2.990	10.189	.37020	.20040	-.02820	1.84720	-.10910	-.13160	3.11930	15.00000	13.30830	-7.06960
2.990	10.654	.37060	.20050	-.02810	1.84830	-.10940	-.13120	3.22770	15.00000	13.88160	-7.42610
2.990	10.986	.37080	.20100	-.02870	1.84420	-.11010	-.13020	3.25670	14.98000	14.24280	-7.72940
2.990	11.341	.37190	.20150	-.02880	1.84490	-.11010	-.13140	3.24740	15.00000	14.58830	-8.09340

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 424

LA67 (LTV 552) ORBITER 49-0

(SFD122)

PARAMETRIC DATA

ALPHA	=	15.000	ELEVON	=	.000
SPOBRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 79/ 0 RN/L = 15.93

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
4.591	.107	.30510	.16120	-.01030	1.89230	-.03330	-.02340	-1.16140	15.93000	-1.05470	-1.26800
4.591	.526	.30570	.16100	-.00930	1.89900	-.03580	-.02470	-1.21190	15.94000	-.68560	-1.73820
4.591	.758	.30500	.16070	-.00960	1.89790	-.03360	-.02300	-1.17700	15.93000	-.41860	-1.93540
4.591	1.171	.30600	.16110	-.00910	1.89960	-.03600	-.02590	-1.18910	15.94000	-.01810	-2.36010
4.591	1.376	.30570	.16100	-.01040	1.89890	-.03620	-.02420	-1.17400	15.93000	.20160	-2.54970
4.591	1.622	.30640	.16130	-.00920	1.89850	-.03470	-.02660	-1.23140	15.92000	.39010	-2.85300
4.591	1.888	.30650	.16130	-.00970	1.89990	-.03620	-.02530	-1.19970	15.93000	.68850	-3.08810
4.591	2.287	.30620	.16130	-.00930	1.89790	-.03640	-.02490	-1.14260	15.92000	1.14400	-3.42940
4.591	2.706	.30620	.16130	-.01090	1.89820	-.03540	-.02700	-.98870	15.92000	1.71730	-3.69480
4.591	3.027	.30690	.16150	-.00980	1.89960	-.03710	-.02320	-.97160	15.92000	2.05500	-3.99820
4.591	3.479	.30660	.16150	-.01100	1.89750	-.03610	-.02530	-.90580	15.93000	2.57330	-4.38500
4.591	3.731	.30770	.16190	-.01080	1.90090	-.03590	-.02620	-.85130	15.93000	2.87950	-4.58210
4.591	3.994	.30760	.16190	-.01100	1.89990	-.03590	-.02620	-.81580	15.93000	3.17790	-4.80960
4.591	4.270	.30780	.16190	-.01160	1.90100	-.03760	-.02410	-.90360	15.92000	3.36640	-5.17370
4.591	4.537	.30800	.16230	-.01160	1.89720	-.03660	-.02530	-1.09950	15.93000	3.43710	-5.63630
4.591	4.772	.30780	.16200	-.01100	1.89910	-.03740	-.02490	-1.10700	15.92000	3.66480	-5.87900
4.591	5.240	.30840	.16260	-.01130	1.89640	-.03780	-.02280	-1.01780	15.92000	4.22240	-6.25810
4.591	5.442	.30790	.16230	-.01270	1.89710	-.03660	-.02610	-.95260	15.91000	4.48940	-6.39470
4.591	5.659	.30860	.16270	-.01260	1.89600	-.03810	-.02360	-.88710	15.92000	4.77210	-6.54630
4.591	5.935	.30860	.16270	-.01210	1.89590	-.03740	-.02570	-.77810	15.91000	5.15690	-6.71320
4.591	6.171	.30900	.16300	-.01240	1.89570	-.03780	-.02400	-.75470	15.92000	5.41600	-6.92550
4.591	6.545	.30930	.16310	-.01300	1.89540	-.03830	-.02440	-.74430	15.93000	5.80080	-7.28950
4.591	6.757	.30910	.16330	-.01290	1.89310	-.03360	-.02400	-.77530	15.93000	5.98150	-7.53220
4.591	7.086	.31040	.16370	-.01330	1.89640	-.03660	-.02650	-.68090	15.92000	6.40550	-7.76730
4.591	7.354	.31000	.16370	-.01410	1.89400	-.03760	-.02520	-.61060	15.92000	6.74320	-7.96450
4.591	7.628	.30980	.16380	-.01340	1.89140	-.03730	-.02690	-.60970	15.91000	7.01800	-8.23750
4.591	7.892	.31030	.16400	-.01360	1.89180	-.03680	-.02590	-.51250	15.91000	7.37930	-8.40440
4.591	8.229	.30990	.16390	-.01470	1.88990	-.03780	-.02600	-.65320	15.91000	7.57560	-8.88210

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 425

LA67 (LTV 552) ORBITER 49-0

(SFD123)

PARAMETRIC DATA

ALPHA	=	20.000	ELEVON	=	.000
SPDRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BDCLAP	=	.000
RUDDER	=	.000			

RUN NO. 76/ 0 RN/L = 16.64

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
4.591	1.475	.42050	.22530	-.01170	1.86610	-.03240	-.03190	-.55110	19.94000	.92410	-2.02640
4.591	1.859	.42010	.22530	-.01160	1.86420	-.03320	-.03100	-.47880	19.94000	1.37960	-2.33730
4.591	2.067	.42210	.22610	-.01160	1.86650	-.03440	-.02890	-.45200	19.94000	1.61520	-2.51930
4.591	2.207	.42020	.22550	-.01170	1.86370	-.03420	-.02890	-.45200	19.94000	1.83510	-2.73930
4.591	2.607	.42280	.22650	-.01180	1.86630	-.03440	-.02850	-.48120	19.95000	2.12560	-3.08810
4.591	2.998	.42170	.22610	-.01230	1.86480	-.03240	-.03180	-.40880	19.95000	2.58900	-3.40660
4.591	3.391	.42180	.22630	-.01180	1.86390	-.03440	-.02890	-.22830	19.94000	3.16220	-3.61900
4.591	3.643	.42240	.22660	-.01290	1.86340	-.03270	-.03060	-.38600	19.94000	3.25650	-4.02850
4.591	3.865	.42400	.22720	-.01280	1.86600	-.03390	-.02970	-.48240	19.95000	3.38210	-4.34700
4.591	4.126	.42450	.22760	-.01310	1.86530	-.03390	-.02970	-.53190	19.96000	3.59410	-4.65800
4.591	4.331	.42480	.22770	-.01310	1.86560	-.03410	-.02850	-.52440	19.96000	3.80620	-4.85510
4.591	4.578	.42320	.22730	-.01360	1.86170	-.03310	-.03010	-.48930	19.95000	4.06890	-5.06750
4.591	5.015	.42310	.22720	-.01350	1.86230	-.03440	-.02970	-.44690	19.95000	4.56790	-5.46180
4.591	5.272	.42370	.22780	-.01330	1.85960	-.03260	-.03100	-.50030	19.95000	4.77210	-5.77280
4.591	5.473	.42410	.22760	-.01460	1.86290	-.03260	-.03180	-.50450	19.93000	4.96840	-5.97750
4.591	5.726	.42340	.22750	-.01430	1.86040	-.03460	-.02970	-.36510	19.94000	5.36110	-6.09130
4.591	5.992	.42580	.22870	-.01460	1.86170	-.03380	-.03220	-.40290	19.95000	5.58880	-6.39470
4.591	6.226	.42590	.22890	-.01480	1.86010	-.03310	-.03050	-.43350	19.95000	5.79300	-6.66010
4.591	6.455	.42580	.22900	-.01510	1.85960	-.03290	-.03220	-.36390	19.95000	6.09140	-6.81930
4.591	6.707	.42580	.22910	-.01520	1.85810	-.03360	-.02970	-.32480	19.94000	6.38200	-7.03170
4.591	6.966	.42630	.22940	-.01550	1.85820	-.03460	-.03050	-.29330	19.95000	6.67250	-7.25920
4.591	7.216	.42570	.22930	-.01600	1.85660	-.03510	-.03260	-.31590	19.96000	6.90030	-7.53220
4.591	7.452	.42630	.22970	-.01610	1.85600	-.03380	-.03300	-.26940	19.94000	7.18300	-7.72180
4.591	7.665	.42710	.23000	-.01640	1.85630	-.03380	-.02960	-.24640	19.94000	7.41860	-7.91140
4.591	7.907	.42670	.23000	-.01610	1.85510	-.03300	-.03170	-.29230	19.93000	7.61490	-8.19960

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 426

LA67 (LTV 552) ORBITER 49-0

(SFO124)

PARAMETRIC DATA

ALPHA	=	20.000	ELEVON	=	-5.000
SPDRK	=	55.000	RN/L	=	16.000
GRITNO	=	.000	RCSPOS	=	1.000
BETA	=	.000	BOFLAP	=	.000
RUDDER	=	.000			

RUN NO. 77/ 0 RN/L = 16.09

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
4.591	.407	.41070	.22190	-.00230	1.85060	-.03430	-.03750	-6.51880	20.05000	-6.11210	-6.92550
4.591	.608	.41150	.22200	-.00170	1.85330	-.03400	-.03710	-6.70430	20.05000	-6.09640	-7.31230
4.591	.841	.41200	.22230	-.00190	1.85290	-.03370	-.03530	-6.84300	20.05000	-6.00210	-7.68390
4.591	1.083	.41130	.22210	-.00200	1.85180	-.03540	-.03660	-6.87350	20.05000	-5.79010	-7.95690
4.591	1.343	.41080	.22220	-.00250	1.84850	-.03340	-.03570	-6.81880	20.05000	-5.47600	-8.16170
4.591	1.578	.41130	.22220	-.00150	1.85100	-.03490	-.03700	-6.84170	20.05000	-5.26390	-8.41950
4.591	1.779	.41180	.22240	-.00180	1.85170	-.03490	-.03610	-6.79190	20.05000	-5.01260	-8.57120
4.591	2.018	.40990	.22160	-.00210	1.84920	-.03390	-.03740	-6.84180	20.05000	-4.82420	-8.85940
4.591	2.346	.41180	.22250	-.00240	1.85050	-.03340	-.03610	-6.80900	20.05000	-4.46290	-9.15520
4.591	2.577	.41180	.22260	-.00280	1.84970	-.03520	-.03490	-6.84360	20.05000	-4.26660	-9.42060
4.591	2.813	.41230	.22280	-.00250	1.85010	-.03520	-.03530	-6.78160	20.05000	-3.96820	-9.59500
4.591	3.157	.41070	.22220	-.00240	1.84770	-.03340	-.03740	-7.00710	20.05000	-3.85040	-10.16380
4.591	3.389	.41060	.22220	-.00300	1.84730	-.03370	-.03740	-6.76000	20.05000	-3.37140	-10.14860
4.591	3.840	.41180	.22240	-.00360	1.85130	-.03390	-.03870	-6.73280	20.05000	-2.89230	-10.57330
4.591	4.467	.41110	.22210	-.00340	1.85030	-.03470	-.03700	-7.09230	20.05000	-2.62530	-11.55920
4.591	5.172	.41380	.22350	-.00360	1.85120	-.03410	-.03780	-7.60850	20.05000	-2.43690	-12.78020
4.591	5.400	.41300	.22290	-.00370	1.85220	-.03610	-.03860	-7.37310	20.05000	-1.97350	-12.77260
4.591	6.816	.41260	.22290	-.00460	1.85100	-.03640	-.03690	-7.76890	20.04000	-.95260	-14.58520
4.591	7.759	.41340	.22340	-.00410	1.85060	-.03560	-.03730	-8.54720	20.04000	-.78770	-16.30670
4.591	8.686	.41350	.22360	-.00530	1.84920	-.03610	-.04110	-8.05260	20.02000	.63360	-16.73900

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 427

LA67 (LTV 552) ORBITER 49-0

(SFD125)

PARAMETRIC DATA

ALPHA = 20.000 ELEVON = -10.000
SPOBRK = 55.000 RN/L = 16.000
GRITNO = .000 RCSPOS = 1.000
BETA = .000 BDFLAP = .000
RUDDER = .000

RUN NO. 78/ 0 RN/L = 16.20

MACH	AILRON	CL	CD	CLM	L/D	CPC	CPB	ELEVON	ALPHAN	ELVN-L	ELVN-R
4.591	.271	.40440	.21780	-.00210	1.85640	-.03230	-.03580	-7.63230	19.85000	-7.36070	-7.90380
4.591	.504	.40510	.21800	-.00120	1.85790	-.03200	-.03540	-7.60950	19.85000	-7.30570	-8.31340
4.591	.833	.40530	.21790	-.00120	1.85980	-.03250	-.03450	-7.92720	19.84000	-7.09370	-8.76080
4.591	1.123	.40410	.21770	-.00160	1.85570	-.03400	-.03660	-7.90290	19.84000	-6.77960	-9.02620
4.591	1.472	.40380	.21760	-.00170	1.85540	-.03470	-.03530	-7.81190	19.84000	-6.33980	-9.28410
4.591	1.676	.40460	.21760	-.00190	1.85910	-.03300	-.03530	-7.82000	19.84000	-6.14350	-9.49640
4.591	2.028	.40480	.21780	-.00210	1.85850	-.03400	-.03750	-7.81770	19.85000	-5.79010	-9.84530
4.591	2.258	.40530	.21810	-.00130	1.85770	-.03420	-.03700	-7.86770	19.85000	-5.60950	-10.12590
4.591	2.542	.40640	.21860	-.00170	1.85860	-.03520	-.03660	-7.97850	19.84000	-5.43670	-10.52020
4.591	2.819	.40640	.21860	-.00180	1.85870	-.03490	-.03780	-8.01220	19.85000	-5.19330	-10.83120
4.591	3.079	.40370	.21740	-.00220	1.85710	-.03440	-.03780	-7.93440	19.84000	-4.85560	-11.01320
4.591	3.403	.40550	.21820	-.00230	1.85830	-.03390	-.03780	-7.94420	19.85000	-4.54150	-11.34690
4.591	3.766	.40430	.21760	-.00270	1.85760	-.03390	-.03700	-7.89930	19.83000	-4.13310	-11.66540
4.591	4.110	.40650	.21870	-.00250	1.85810	-.03540	-.03660	-7.84310	19.84000	-3.73260	-11.95360
4.591	4.419	.40500	.21820	-.00250	1.85590	-.03440	-.03780	-7.82230	19.83000	-3.40280	-12.24180
4.591	4.958	.40620	.21860	-.00320	1.85850	-.03470	-.03570	-7.71640	19.83000	-2.75880	-12.67400
4.591	5.190	.40700	.21880	-.00300	1.85960	-.03540	-.03700	-7.65840	19.84000	-2.46830	-12.84850
4.591	5.507	.40580	.21850	-.00310	1.85750	-.03490	-.03690	-7.59880	19.83000	-2.09130	-13.10630
4.591	5.906	.40560	.21860	-.00370	1.85640	-.03520	-.03570	-7.54940	19.84000	-1.64370	-13.45520
4.591	6.108	.40670	.21880	-.00290	1.85840	-.03460	-.03690	-7.46880	19.83000	-1.36100	-13.57650
4.591	6.513	.40780	.21930	-.00390	1.85940	-.03460	-.03780	-7.47330	19.83000	-.96050	-13.98600
4.591	6.812	.40680	.21900	-.00370	1.85720	-.03560	-.03780	-7.54520	19.83000	-.73280	-14.35760
4.591	7.040	.40530	.21870	-.00420	1.85310	-.03490	-.03650	-7.54510	19.84000	-.50500	-14.58520
4.591	7.279	.40730	.21930	-.00370	1.85680	-.03630	-.03940	-7.54090	19.83000	-.26160	-14.82030

LA67 (LTV 552) ORBITER 49-0

(SFD201)

PARAMETRIC DATA

ELEVON =	.000	AILRON =	.000
SPOBRK =	25.000	GRITNO =	120.000
RCSPDS =	.000	BETA =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 34/ 0 RN/L = 5.53

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
-.040	.500	-.06800	.05850	.04130	-1.16210	-.16530	-.14040	-1.86470	1.36750	-.49720	-3.23220
-.060	.511	-.06940	.05900	.04070	-1.17610	-.18700	-.15440	-1.90760	1.33970	-.56780	-3.24740
-.050	.522	-.07060	.06040	.04210	-1.16910	-.18880	-.15730	-1.88830	1.34390	-.54430	-3.23220
-.060	.537	-.07310	.06050	.04170	-1.20910	-.19240	-.16270	-1.88070	1.33630	-.54430	-3.21700
-.050	.554	-.07570	.06150	.04290	-1.23230	-.19780	-.16720	-1.85360	1.34070	-.51290	-3.19430
-.040	.576	-.07510	.06160	.04390	-1.21950	-.19100	-.16510	-1.82640	1.35270	-.47360	-3.17910
-.050	.597	-.07170	.06180	.04410	-1.15980	-.19830	-.16800	-1.84970	1.34460	-.50500	-3.19430
-.050	.617	-.07550	.06310	.04520	-1.19670	-.20620	-.17600	-1.82220	1.37210	-.45010	-3.19430
-.040	.642	-.07330	.06270	.04500	-1.16940	-.20390	-.17750	-1.82180	1.39520	-.42650	-3.21700
-.040	.665	-.07740	.06440	.04630	-1.20180	-.21130	-.18240	-1.74840	1.40040	-.34800	-3.14880
-.040	.689	-.07740	.06520	.04630	-1.18710	-.21710	-.18710	-1.70610	1.38950	-.31660	-3.09570
-.040	.716	-.07860	.06560	.04740	-1.19810	-.21730	-.18760	-1.69080	1.38210	-.30870	-3.07300
-.060	.742	-.07910	.06670	.04770	-1.18550	-.22930	-.19610	-1.67130	1.39400	-.27730	-3.06540
-.040	.771	-.07590	.06740	.04830	-1.12550	-.22530	-.19520	-1.59360	1.42620	-.16730	-3.01990
-.050	.798	-.07380	.06850	.04870	-1.07670	-.23140	-.19970	-1.55990	1.36890	-.19090	-2.92390
-.050	.824	-.07200	.07030	.04840	-1.02490	-.23470	-.20250	-1.40690	1.29440	-.11240	-2.70130
-.040	.842	-.06730	.07260	.04790	-.92770	-.23980	-.20690	-1.24610	1.22010	-.02600	-2.46620
-.040	.853	-.06540	.07290	.04640	-.89830	-.23380	-.20370	-1.19710	1.15530	-.04170	-2.35250
-.060	.861	-.06310	.07390	.04630	-.85480	-.23490	-.20330	-1.15060	1.16390	.01320	-2.31460
-.060	.874	-.06120	.07560	.04600	-.80850	-.23690	-.20530	-1.11990	1.15670	.03670	-2.27670
-.050	.883	-.06080	.07820	.04470	-.77690	-.23950	-.20970	-1.03040	1.20070	.17020	-2.23120
-.050	.898	-.05460	.08070	.04290	-.67640	-.23850	-.20980	-1.01550	1.17010	.15450	-2.18560
-.040	.911	-.04930	.08530	.03980	-.57880	-.24220	-.21810	-.96530	1.17480	.20950	-2.14010
-.060	.923	-.04970	.08970	.03900	-.55490	-.24810	-.22630	-.95800	1.15180	.19380	-2.10980
-.060	.935	-.05650	.09690	.04550	-.58350	-.25990	-.24120	-.94980	1.17510	.22520	-2.12500
-.060	.948	-.06720	.10320	.05480	-.65160	-.27180	-.24760	-.89660	1.12970	.23310	-2.02640
-.050	.962	-.07200	.10870	.05970	-.66180	-.28430	-.25620	-.86980	1.11860	.24880	-1.98850
-.040	.978	-.07120	.11480	.06320	-.61980	-.29730	-.26560	-.90500	1.09100	.18590	-1.99610
-.050	.992	-.06950	.12140	.06400	-.57260	-.31960	-.28450	-.89780	1.06030	.16240	-1.95810
-.060	1.005	-.06680	.12610	.06330	-.52970	-.33470	-.30170	-.85980	1.03010	.17020	-1.88990
-.040	1.018	-.06290	.12900	.06100	-.48740	-.34280	-.31390	-.85870	1.09180	.23310	-1.95060
-.060	1.031	-.06090	.13040	.05910	-.46680	-.35040	-.32690	-.85940	1.05320	.19380	-1.91260
-.050	1.037	-.06230	.13110	.05940	-.47520	-.35070	-.32880	-.85490	1.08800	.23310	-1.94300
-.050	1.051	-.06050	.13120	.06190	-.46110	-.33980	-.32070	-.86650	1.04890	.16240	-1.93540
-.040	1.059	-.05950	.13330	.06090	-.44630	-.33980	-.32240	-.79720	1.07740	.28020	-1.87470
-.040	1.068	-.05620	.13680	.05920	-.41100	-.34320	-.32320	-.79720	1.07740	.28020	-1.87470
-.050	1.076	-.05270	.13860	.05910	-.38000	-.34600	-.32450	-.80090	1.08900	.28800	-1.88990
-.060	1.087	-.05240	.14070	.05690	-.37280	-.35020	-.33140	-.83590	1.06910	.23310	-1.90500
-.060	1.098	-.05450	.14360	.05720	-.38000	-.35690	-.34660	-.82840	1.06150	.23310	-1.88990
-.060	1.105	-.05550	.14450	.05810	-.38420	-.36250	-.35800	-.76990	1.09720	.32730	-1.86710
-.060	1.111	-.05340	.14560	.05710	-.36720	-.36670	-.36680	-.78190	1.07000	.28800	-1.85200

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SF0202)

PARAMETRIC DATA

ELEVON = 5.000 AILRON = 2.000
 SPOBRK = 25.000 CRITNO = 120.000
 RCSPDS = .000 BETA = .000
 BDFLAP = .000 RUDDER = .000

RUN NO. 35/ 0 RN/L = 5.65

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
-.040	.497	.03100	.06210	-.01120	.50030	-.18110	-.15370	4.96530	1.88780	6.85310	3.07740
-.030	.507	.03030	.06260	-.01150	.48380	-.18000	-.15350	5.00440	1.91940	6.92380	3.08500
-.030	.520	.03390	.06250	-.01050	.54380	-.18340	-.15580	4.96570	1.91100	6.87670	3.05470
-.020	.531	.02960	.06340	-.01100	.46770	-.19090	-.16500	4.98870	1.90370	6.89240	3.08500
-.030	.546	.03370	.06340	-.01100	.53200	-.20090	-.17390	4.98910	1.92680	6.91600	3.06220
-.030	.568	.03320	.06400	-.01060	.51880	-.19750	-.16860	4.96180	1.90700	6.86880	3.05470
-.020	.586	.02790	.06470	-.01120	.43730	-.20250	-.17400	5.02420	1.94670	6.97090	3.07740
-.030	.608	.02770	.06540	-.01050	.42310	-.20510	-.17840	4.99990	1.88460	6.88460	3.11530
-.030	.630	.02730	.06600	-.01050	.41410	-.20840	-.18170	5.01160	1.88860	6.90030	3.12290
-.020	.652	.02650	.06670	-.01060	.39730	-.21890	-.18740	5.03120	1.90830	6.93950	3.12290
-.040	.679	.03030	.06680	-.00990	.45340	-.21800	-.18860	5.03620	1.97390	7.01020	3.06220
-.040	.704	.02670	.06790	-.00970	.39270	-.22200	-.19280	5.07450	1.95920	7.03380	3.11530
-.040	.728	.02590	.06850	-.00930	.37830	-.23030	-.20220	5.05500	1.94730	7.00230	3.10770
-.040	.757	.02510	.06920	-.00800	.36270	-.23280	-.20440	5.05940	1.97430	7.03380	3.08500
-.030	.786	.02230	.07010	-.00690	.31770	-.23390	-.20240	5.05130	1.95100	7.00230	3.10320
-.040	.812	.02080	.07120	-.00590	.29250	-.23730	-.20740	5.09440	1.99420	7.08870	3.10020
-.040	.836	.01780	.07290	-.00450	.24420	-.23860	-.20810	5.11760	1.99460	7.11230	3.12290
-.030	.850	.01650	.07430	-.00390	.22320	-.23830	-.20980	5.12460	1.95620	7.08090	3.16840
-.040	.861	.01210	.07430	-.00380	.16290	-.23800	-.20870	5.14750	1.94110	7.08880	3.20630
-.030	.871	.01240	.07540	-.00320	.16510	-.23760	-.20870	5.12420	1.93300	7.05730	3.19120
-.030	.881	.01180	.07690	-.00210	.15410	-.24050	-.21190	5.15560	1.96440	7.12010	3.19120
-.050	.892	.00900	.07990	-.00090	.11230	-.24220	-.21610	5.10560	1.96740	7.07300	3.13810
-.050	.904	.00240	.08320	.00020	.02880	-.24080	-.21920	5.08960	1.93630	7.02590	3.15320
-.050	.915	.00100	.08760	.00130	.01240	-.24620	-.22650	5.09760	1.95190	7.04950	3.14570
-.050	.928	.00200	.09480	.00170	.02170	-.26080	-.23230	5.08210	1.95160	7.03380	3.13050
-.050	.942	.00050	.10240	.00200	.00490	-.27480	-.23540	5.07830	1.95540	7.03380	3.12290
-.050	.955	-.00350	.10900	.00590	-.03210	-.29220	-.24600	5.09350	1.94020	7.03380	3.15320
-.040	.969	-.00440	.11610	.01060	-.03810	-.30720	-.25790	5.08100	1.88980	6.97090	3.19120
-.030	.985	-.00630	.12250	.01360	-.05150	-.32220	-.26910	5.05380	1.87780	6.93170	3.17600
-.040	.998	-.00400	.12790	.01390	-.03180	-.34020	-.28820	4.98300	1.79940	6.78250	3.18360
-.030	1.015	-.00030	.13220	.01350	-.00260	-.35270	-.30540	4.97900	1.78770	6.76680	3.19120
-.030	1.025	.00340	.13420	.01210	.02540	-.36060	-.32470	4.94390	1.76780	6.71180	3.17600
-.050	1.034	.00100	.13480	.01170	.00810	-.36450	-.33440	4.92110	1.79060	6.71180	3.13050
-.050	1.044	-.00100	.13500	.01390	-.00810	-.35810	-.33430	4.90460	1.72860	6.63330	3.17600
-.040	1.053	-.00150	.13540	.01560	-.01110	-.35140	-.32870	4.90540	1.77490	6.68040	3.13050
-.050	1.060	.00090	.13690	.01500	.00690	-.35320	-.33020	4.90460	1.72860	6.63330	3.17600
-.040	1.071	.00320	.13960	.01480	.02320	-.35110	-.33070	4.88540	1.73210	6.61760	3.15320
-.040	1.079	.00360	.14210	.01480	.02570	-.35310	-.33240	4.89300	1.72450	6.61760	3.16840
-.040	1.088	.00380	.14440	.01410	.02650	-.35820	-.34400	4.88880	1.70520	6.59400	3.18360

LA67 (LTV 552) ORBITER 49-0

(SFD202)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 36/ 0 RN/L = 5.55

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
5.940	.500	.30250	.07750	-.01330	3.89920	-.18320	-.14210	5.01000	1.79600	6.80600	3.21390
5.940	.514	.30150	.07730	-.01310	3.89640	-.18160	-.14300	5.03000	1.83880	6.86880	3.19120
5.950	.529	.30560	.07780	-.01210	3.92560	-.18690	-.14680	4.99910	1.83030	6.83740	3.16080
5.940	.552	.30790	.07890	-.01270	3.90190	-.19420	-.15320	5.02190	1.81550	6.83740	3.20630
5.960	.567	.31070	.08020	-.01490	3.87360	-.20630	-.16380	5.03390	1.84270	6.87670	3.19120
5.950	.589	.31270	.08040	-.01380	3.88700	-.20340	-.16260	4.99140	1.83810	6.82960	3.15320
5.960	.610	.31390	.08180	-.01530	3.83370	-.20930	-.16610	5.05330	1.84690	6.90030	3.20630
5.940	.634	.31810	.08220	-.01530	3.86960	-.21250	-.16790	5.05040	1.90470	6.95520	3.14570
5.940	.657	.32240	.08350	-.01590	3.86050	-.21800	-.17770	5.02280	1.86950	6.89240	3.15320
5.950	.681	.32360	.08480	-.01720	3.81620	-.22310	-.18420	5.05000	1.88160	6.93170	3.16840
5.950	.707	.32590	.08610	-.01770	3.78350	-.22720	-.18860	5.06910	1.87030	6.93950	3.19870
5.930	.736	.33230	.08750	-.01830	3.79520	-.23060	-.19060	5.09650	1.89010	6.98660	3.20630
5.950	.768	.33770	.09040	-.01970	3.73220	-.22930	-.18730	5.09740	1.94410	7.04160	3.15320
5.950	.797	.34580	.09470	-.02260	3.65140	-.23330	-.19120	5.10910	1.94820	7.05730	3.16080
5.940	.823	.35120	.09940	-.02500	3.53170	-.23900	-.20110	5.13170	1.91770	7.04950	3.21390
5.910	.845	.34590	.10190	-.02480	3.39280	-.23760	-.19590	5.15130	1.93740	7.08870	3.21390
5.910	.853	.34290	.10270	-.02500	3.33790	-.23290	-.19530	5.10850	1.91730	7.02590	3.19120
5.910	.857	.34340	.10380	-.02530	3.30810	-.23260	-.19570	5.13570	1.92940	7.06520	3.20630
5.900	.866	.34250	.10640	-.02420	3.21840	-.23830	-.19810	5.14370	1.94490	7.08870	3.19870
5.910	.877	.34080	.10840	-.02420	3.14310	-.23550	-.19690	5.13930	1.91010	7.04950	3.22910
5.910	.888	.34040	.11040	-.02470	3.08320	-.23650	-.20050	5.15850	1.90660	7.06520	3.25180
5.900	.898	.34030	.11350	-.02620	2.99680	-.23740	-.20100	5.11990	1.90590	7.02590	3.21390
5.900	.912	.34480	.11970	-.03080	2.88010	-.24230	-.20840	5.11170	1.87490	6.98660	3.23670
5.910	.926	.35290	.12630	-.03710	2.79270	-.25140	-.21610	5.07280	1.85880	6.93170	3.21390
5.900	.939	.35870	.13380	-.04220	2.68110	-.26890	-.23110	4.88460	1.68580	6.57040	3.19870
5.920	.954	.36190	.13990	-.04410	2.58630	-.28320	-.24160	4.77840	1.57210	6.35050	3.20630
5.900	.971	.36160	.14840	-.04310	2.43590	-.30660	-.25880	4.73570	1.55200	6.28770	3.18360
5.910	.986	.35980	.15510	-.04150	2.31910	-.32280	-.27740	4.69160	1.46250	6.15420	3.22910
5.900	.997	.35950	.16160	-.03970	2.22390	-.34570	-.29730	4.66020	1.43110	6.09140	3.22910
5.910	1.009	.36020	.16680	-.03840	2.15870	-.36130	-.31780	4.66500	1.48130	6.14640	3.18360
5.890	1.021	.36410	.17130	-.04020	2.12490	-.37330	-.33410	4.61770	1.42650	6.04430	3.19120
5.910	1.036	.36790	.17470	-.04330	2.10290	-.37380	-.34090	4.62540	1.42660	6.05210	3.19870
5.900	1.046	.37330	.17750	-.04730	2.10210	-.37510	-.34460	4.62950	1.43830	6.06780	3.19120
5.870	1.055	.37360	.17910	-.05080	2.08590	-.37400	-.34430	4.56330	1.40240	5.96580	3.16080
5.880	1.064	.37600	.18150	-.05340	2.07150	-.37300	-.34340	4.56270	1.37150	5.93430	3.19120
5.870	1.072	.37280	.18300	-.05510	2.03720	-.37560	-.34400	4.52750	1.34390	5.87150	3.18360
5.880	1.082	.36940	.18480	-.05370	1.99850	-.37820	-.34670	4.52310	1.30910	5.83230	3.21390
5.890	1.093	.36690	.18640	-.05450	1.96810	-.37800	-.34780	4.48450	1.30840	5.79300	3.17600

TABULATED SOURCE DATA, LTV TEST 552, LA67

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(SFD202)

PARAMETRIC DATA

ELEVON = 5.000 AILRON = 2.000
 SPOBRK = 25.000 GRITNO = 120.000
 RCSPDS = .000 BETA = .000
 BOFLAP = .000 RUDDER = .000

RUN NO. 37/ 0 RN/L = 5.56

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
13.040	.516	.65090	.15310	-.01270	4.24980	-.19460	-.15020	4.80550	1.57640	6.38200	3.22910
13.040	.531	.65520	.15450	-.01270	4.23880	-.20000	-.15490	4.80540	1.56870	6.37410	3.23670
13.040	.545	.65770	.15590	-.01420	4.21790	-.20760	-.16170	4.79790	1.58400	6.38200	3.21390
13.040	.562	.66310	.15810	-.01500	4.19290	-.20840	-.16540	4.82520	1.59600	6.42120	3.22910
13.050	.579	.67750	.16390	-.01660	4.13280	-.21700	-.17310	4.81760	1.60360	6.42120	3.21390
13.050	.599	.67780	.16680	-.02050	4.06170	-.21800	-.17480	4.77400	1.53730	6.31130	3.23670
13.030	.619	.67940	.17260	-.02060	3.93570	-.21970	-.17780	4.83650	1.58460	6.42120	3.25180
13.030	.637	.68610	.17970	-.02290	3.81790	-.23380	-.19100	4.75050	1.52140	6.27200	3.22910
13.020	.660	.68460	.18390	-.02340	3.72150	-.23820	-.19240	4.73120	1.51720	6.24840	3.21390
13.010	.682	.67980	.18830	-.02250	3.61020	-.24160	-.19710	4.71130	1.48220	6.19350	3.22910
13.020	.706	.67790	.19390	-.02250	3.49460	-.24440	-.19750	4.66090	1.46970	6.13070	3.19120
13.020	.730	.67540	.19900	-.02230	3.39410	-.25010	-.20490	4.65660	1.44260	6.09920	3.21390
13.010	.755	.66950	.20360	-.02160	3.28820	-.25670	-.20980	4.56680	1.38320	5.95000	3.18360
12.990	.782	.66420	.20810	-.02340	3.19120	-.26010	-.21530	4.55490	1.36370	5.91860	3.19120
13.000	.806	.66660	.21570	-.02570	3.09000	-.26550	-.21930	4.50890	1.37830	5.88720	3.13550
12.980	.824	.66310	.21870	-.02900	3.03200	-.26570	-.22180	4.51240	1.35910	5.87150	3.15320
12.980	.831	.66240	.21860	-.02950	3.02890	-.26250	-.21800	4.50060	1.34730	5.84800	3.15320
12.960	.836	.66140	.22030	-.03010	3.00250	-.26530	-.22140	4.45750	1.31180	5.76940	3.14570
12.950	.845	.65870	.22090	-.03190	2.98130	-.26480	-.22390	4.48450	1.30840	5.79300	3.17600
12.950	.852	.65910	.22310	-.03340	2.95360	-.26610	-.22550	4.48540	1.36250	5.84800	3.12290
12.950	.862	.65750	.22460	-.03460	2.92680	-.26510	-.22570	4.45000	1.31940	5.76940	3.13050
12.960	.873	.65890	.22780	-.03640	2.89180	-.26220	-.22470	4.45350	1.30020	5.75370	3.15320
12.970	.884	.65710	.22950	-.03900	2.86250	-.26150	-.22550	4.43860	1.33080	5.76940	3.10770
12.970	.893	.66050	.23360	-.04140	2.82760	-.26690	-.22950	4.42260	1.29970	5.72230	3.12290
12.970	.903	.66600	.23890	-.04410	2.78730	-.27740	-.23270	4.39920	1.28380	5.68300	3.11530
12.980	.914	.66540	.24260	-.04680	2.74180	-.28270	-.23130	4.36110	1.31400	5.67520	3.04710
12.970	.925	.67400	.24830	-.05180	2.71390	-.28930	-.23640	4.29520	1.29360	5.58880	3.00160
12.960	.936	.68070	.25360	-.05360	2.68310	-.29840	-.24030	4.25310	1.31210	5.56530	2.94090
12.970	.950	.69340	.26000	-.06270	2.66650	-.30610	-.24750	4.08290	1.28600	5.36890	2.79680
12.960	.960	.70920	.26780	-.06950	2.64800	-.32230	-.26010	4.02530	1.30430	5.32970	2.72100
12.960	.970	.71840	.27410	-.07280	2.62100	-.33770	-.27620	4.01730	1.28870	5.30610	2.72860
12.960	.983	.72030	.28030	-.07270	2.56940	-.35430	-.29720	4.04090	1.31230	5.35320	2.72860
12.960	.994	.71950	.28440	-.07050	2.52930	-.37010	-.31660	4.03780	1.35470	5.39250	2.68300
12.960	1.003	.72160	.28930	-.07050	2.49390	-.38130	-.33040	4.04490	1.32390	5.36890	2.72100
12.950	1.010	.72000	.29170	-.06910	2.46850	-.39130	-.34380	4.03030	1.37000	5.40030	2.66030
12.950	1.018	.72070	.29510	-.06840	2.44200	-.39800	-.35350	4.02300	1.39300	5.41600	2.63000
12.960	1.026	.72200	.29940	-.06860	2.41090	-.40860	-.36560	3.96450	1.35720	5.32180	2.60720
12.950	1.036	.72340	.30290	-.07060	2.38780	-.41610	-.37630	3.96000	1.32240	5.28250	2.63750
12.940	1.045	.72440	.30440	-.07270	2.37940	-.41550	-.38070	3.97250	1.37280	5.34540	2.59960
12.920	1.055	.72530	.30650	-.07520	2.36580	-.42060	-.38800	3.88350	1.35970	5.24330	2.52380
12.930	1.063	.72150	.30690	-.07720	2.35060	-.41990	-.38960	3.88770	1.37910	5.26680	2.50860
12.940	1.073	.72100	.30780	-.07970	2.34220	-.42220	-.39460	3.84780	1.30120	5.14900	2.54650
12.940	1.081	.71850	.30780	-.08020	2.33400	-.42370	-.39930	3.82910	1.33560	5.16470	2.49350

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 432

LA67 (LTV 552) ORBITER 49-0

(SFD202)

PARAMETRIC DATA

ELEVON *	5.000	AILRON =	2.000
SPOBRK =	25.000	GRITNO =	120.000
RCSP0S =	.000	BETA =	.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 37/ 0 RN/L = 5.56

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
12.940	1.089	.71800	.30820	-.08110	2.32920	-.42440	-.40070	3.84390	1.29730	5.14120	2.54650
12.930	1.095	.71860	.30860	-.08060	2.32820	-.42430	-.40170	3.78560	1.27700	5.06270	2.50860

ORIGINAL PAGE IS
OF POOR QUALITY

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 433

LA67 (LTV 552) ORBITER 49-0

(SFD203)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	GRITNO =	120.000
RCSPDS =	.000	BETA =	-2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO.		38/ 0	RN/L = 5.48								
ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
-.050	.509	.03560	.06140	-.01010	.58030	-.17520	-.15150	4.74620	1.49430	6.24060	3.25180
-.040	.523	.03380	.06260	-.01170	.54020	-.17720	-.15640	4.76490	1.45990	6.22490	3.30490
-.040	.540	.03430	.06260	-.01080	.54840	-.18070	-.16210	4.76880	1.46390	6.23270	3.30490
-.040	.554	.03120	.06360	-.00980	.49130	-.18890	-.17300	4.75730	1.46750	6.22490	3.28980
-.050	.572	.03120	.06360	-.01170	.49120	-.19260	-.17470	4.74230	1.49040	6.23270	3.25180
-.040	.593	.02890	.06420	-.01000	.45070	-.19150	-.17200	4.75370	1.47900	6.23270	3.27460
-.050	.612	.02930	.06420	-.01040	.45610	-.19810	-.17660	4.72700	1.49790	6.22490	3.22910
-.040	.629	.03110	.06570	-.00990	.47370	-.20520	-.18260	4.76910	1.47930	6.24840	3.28980
-.040	.651	.02820	.06610	-.01100	.42730	-.20420	-.18420	4.76120	1.47140	6.23270	3.28980
-.050	.672	.02840	.06610	-.01050	.43000	-.21160	-.19030	4.78510	1.51040	6.29560	3.27460
-.040	.696	.02750	.06650	-.00990	.41420	-.21160	-.19020	4.81960	1.49950	6.31910	3.32010
-.050	.720	.02690	.06730	-.00980	.40050	-.21540	-.19310	4.81230	1.52250	6.33480	3.28980
-.050	.742	.02430	.06810	-.00880	.35670	-.22530	-.20400	4.85470	1.51940	6.37410	3.33530
-.060	.766	.02410	.06880	-.00830	.35010	-.22630	-.20540	4.86650	1.53120	6.39770	3.33530
-.060	.791	.02070	.06960	-.00720	.29830	-.22600	-.20550	4.86240	1.51950	6.38200	3.34280
-.050	.815	.01830	.07080	-.00680	.25830	-.22720	-.20550	4.88930	1.51610	6.40550	3.37320
-.050	.833	.01670	.07130	-.00560	.23520	-.22690	-.20490	4.85890	1.53870	6.39770	3.32010
-.040	.840	.01640	.07180	-.00560	.22870	-.22590	-.20500	4.86650	1.53120	6.39770	3.33530
-.060	.845	.01680	.07180	-.00510	.23510	-.22920	-.20770	4.90140	1.54330	6.44480	3.35800
-.050	.853	.01530	.07300	-.00440	.21040	-.22910	-.20820	4.89720	1.52400	6.42120	3.37320
-.050	.865	.01420	.07340	-.00380	.19340	-.22920	-.20620	4.88920	1.50840	6.39770	3.38080
-.050	.873	.01320	.07530	-.00490	.17560	-.23020	-.21090	4.88580	1.53530	6.42120	3.35040
-.050	.883	.01250	.07680	-.00410	.16320	-.23180	-.21030	4.89760	1.54710	6.44480	3.35040
-.060	.894	.00690	.07900	-.00350	.08800	-.22980	-.21250	4.88540	1.51220	6.39770	3.37320
-.060	.903	.00580	.08200	-.00150	.07120	-.23480	-.22390	4.87400	1.52360	6.39770	3.35040
-.060	.916	.00170	.08670	.00000	.02010	-.23690	-.22780	4.91400	1.60140	6.51550	3.31250
-.060	.924	.00030	.09160	.00110	.00360	-.24600	-.23310	4.87540	1.60080	6.47620	3.27460
-.050	.935	-.00040	.09840	.00210	-.00500	-.26410	-.23570	4.87150	1.59680	6.46830	3.27460
-.060	.950	-.00410	.10470	.00510	-.03970	-.27290	-.23720	4.87430	1.53900	6.41340	3.33530
-.060	.963	-.00750	.11260	.01050	-.06660	-.29210	-.25270	4.86270	1.53490	6.39770	3.32770
-.050	.978	-.00820	.11780	.01340	-.07000	-.30280	-.25870	4.84700	1.51920	6.36620	3.32770
-.050	.991	-.00640	.12370	.01530	-.05230	-.31780	-.27290	4.85540	1.55800	6.41340	3.29730
-.050	1.003	-.00330	.12770	.01560	-.02640	-.33010	-.28590	4.85080	1.51540	6.36620	3.33530
-.040	1.012	-.00100	.13160	.01380	-.00780	-.34410	-.31040	4.81890	1.46090	6.27990	3.35800
-.060	1.025	.00200	.13360	.01230	.01530	-.35170	-.32990	4.83460	1.47660	6.31130	3.35800
-.060	1.037	-.00130	.13410	.01270	-.01000	-.35090	-.33840	4.78730	1.41400	6.20130	3.37320
-.040	1.047	-.00180	.13430	.01590	-.01340	-.34670	-.33570	4.78700	1.39860	6.18560	3.38830
-.060	1.059	-.00140	.13540	.01610	-.01090	-.33950	-.33230	4.81800	1.40690	6.22490	3.41110
-.040	1.068	.00210	.13850	.01620	.01580	-.34280	-.33730	4.78710	1.40630	6.19350	3.38080
-.050	1.078	.00120	.14180	.01560	.00860	-.34520	-.34080	4.79010	1.35620	6.14640	3.43380
-.050	1.087	.00240	.14290	.01480	.01720	-.34560	-.34590	4.74760	1.35160	6.09920	3.39590
-.060	1.097	.00180	.14550	.01400	.01250	-.35290	-.36000	4.72780	1.32430	6.05210	3.40350

LA67 (LTV 552) ORBITER 49-0

(SFD204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDBRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	-2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 39/ 0 RN/L = 5.53

ALPHA	MACH	CL	CO	CLM	L/D	CPC	CPB	ELEVON	AILRON	VN-L	ELVN-R
-.040	.501	.03190	.06190	-.01330	.51480	-.18070	-.16330	4.96390	1.81060	6.77460	3.15320
-.050	.509	.03560	.06170	-.01330	.57700	-.19300	-.17270	4.95660	1.83360	6.79030	3.12290
-.050	.523	.03490	.06160	-.01320	.56680	-.18520	-.16920	4.91380	1.81360	6.72750	3.10020
-.050	.538	.03110	.06230	-.01250	.49990	-.18870	-.16990	4.94040	1.78710	6.72750	3.15320
-.050	.558	.03410	.06310	-.01260	.54090	-.19540	-.17590	4.90570	1.79030	6.69610	3.11530
-.040	.575	.03470	.06410	-.01290	.54090	-.19950	-.18130	4.92530	1.81000	6.73530	3.11530
-.040	.591	.03090	.06440	-.01250	.47950	-.20780	-.19090	4.96840	1.84540	6.81390	3.12290
-.040	.614	.02930	.06480	-.01270	.45290	-.20340	-.18350	4.95660	1.83360	6.79030	3.12290
-.050	.639	.02990	.06510	-.01240	.46000	-.21040	-.19000	5.00320	1.84990	6.85310	3.15320
-.050	.661	.03040	.06570	-.01210	.46390	-.21550	-.19540	5.01860	1.85020	6.86880	3.16840
-.040	.683	.03250	.06670	-.01150	.48810	-.21740	-.19650	4.99600	1.88060	6.87670	3.11530
-.040	.704	.02900	.06730	-.01090	.43170	-.22420	-.20390	5.03430	1.86590	6.90030	3.16840
.050	.729	.02740	.06800	-.01030	.40250	-.22720	-.20550	5.06990	1.91660	6.98660	3.15320
-.050	.754	.02610	.06870	-.01000	.38100	-.22870	-.20760	5.09310	1.91710	7.01020	3.17600
-.050	.778	.02430	.06920	-.00930	.35150	-.23060	-.21090	5.07830	1.95540	7.03380	3.12290
-.050	.800	.02180	.07020	-.00860	.31040	-.23250	-.21260	5.08170	1.92840	7.01020	3.15320
-.040	.819	.02250	.07110	-.00770	.31650	-.23700	-.21670	5.10090	1.92490	7.02590	3.17600
-.050	.834	.01770	.07180	-.00710	.24650	-.23620	-.21660	5.10550	1.96740	7.07300	3.13810
-.040	.841	.01660	.07220	-.00700	.22970	-.23720	-.21550	5.13240	1.95630	7.08870	3.17600
-.050	.850	.01690	.07260	-.00620	.23340	-.23240	-.21230	5.15150	1.94510	7.09660	3.20630
-.050	.858	.01610	.07340	-.00560	.22020	-.23550	-.21380	5.14320	1.91410	7.05730	3.22910
-.050	.870	.01350	.07490	-.00530	.18060	-.23580	-.21430	5.16280	1.93370	7.09660	3.22910
-.040	.880	.01350	.07670	-.00540	.17650	-.23750	-.21760	5.18310	1.99190	7.17510	3.19120
-.060	.891	.00980	.07850	-.00450	.12490	-.23710	-.21930	5.17150	1.98790	7.15940	3.18360
-.050	.902	.00580	.08180	-.00250	.07110	-.23890	-.22680	5.22630	2.03510	7.26150	3.19120
-.050	.914	.00400	.08680	-.00040	.04630	-.24340	-.23510	5.23880	2.08550	7.32430	3.15320
-.050	.927	-.00010	.09450	.00010	-.00150	-.25780	-.23630	5.23590	2.14330	7.37930	3.09260
-.050	.938	.00000	.10110	.00100	-.00010	-.27180	-.24270	5.22400	2.12380	7.34790	3.10020
-.040	.950	-.00270	.10720	.00460	-.02510	-.28430	-.24840	5.23920	2.10860	7.34790	3.13050
-.050	.963	-.00390	.11230	.00890	-.03490	-.29620	-.25640	5.20400	2.08100	7.28510	3.12290
-.040	.972	-.00500	.11780	.01140	-.04260	-.30710	-.26540	5.16850	2.03800	7.20650	3.13050
-.050	.987	-.00530	.12320	.01270	-.04330	-.32260	-.27730	5.17990	2.02660	7.20650	3.15320
-.030	.997	-.00310	.12790	.01320	-.02420	-.33410	-.29330	5.14850	1.99520	7.14370	3.15320
-.040	1.008	.00110	.13140	.01170	.00840	-.34720	-.31640	5.16720	1.96080	7.12800	3.20630
-.040	1.023	.00510	.13410	.01010	.03870	-.35500	-.33350	5.12830	1.94470	7.07300	3.18360
-.060	1.033	.00330	.13410	.00930	.02460	-.35820	-.34440	5.14740	1.93340	7.08090	3.21390
-.040	1.042	-.00120	.13480	.01250	-.00900	-.35190	-.34540	5.12000	1.91370	7.03380	3.20630
-.040	1.049	.00020	.13490	.01330	.00200	-.34700	-.34220	5.14320	1.91410	7.05730	3.22910
-.040	1.060	.00030	.13640	.01460	.00290	-.34360	-.33850	5.07290	1.86650	6.93950	3.20630
-.050	1.068	.00310	.13980	.01410	.02230	-.34680	-.34430	5.09620	1.87470	6.97090	3.22150
-.060	1.076	.00290	.14210	.01320	.02680	-.35180	-.35100	5.09540	1.82840	6.92380	3.26700
-.060	1.084	.00310	.14310	.01270	.02180	-.35240	-.35400	5.05710	1.84310	6.90030	3.21390
-.040	1.090	.00470	.14440	.01180	.03290	-.35320	-.35690	5.07970	1.81270	6.89240	3.26700

TABULATED SOURCE DATA, LTV TEST 552, LA67

PAGE 435

LA67 (LTV 552) ORBITER 49-0

(SFD204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	GRITNO =	120.000
RCSPDS =	.000	BETA =	-2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 40/ 0 RN/L = 5.55

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
5.870	.509	.29840	.07770	-.01670	3.84000	-.18260	-.15290	5.14910	2.03380	7.18300	3.11530
5.880	.520	.30270	.07850	-.01660	3.85240	-.19180	-.15980	5.13760	2.03740	7.17510	3.10020
5.870	.535	.30090	.07840	-.01890	3.83580	-.19110	-.16190	5.13320	2.00260	7.13580	3.13050
5.880	.550	.30220	.07930	-.01880	3.81110	-.19250	-.16280	5.12590	2.02560	7.15150	3.10020
5.890	.565	.30730	.08050	-.01910	3.81490	-.20190	-.16740	5.16850	2.03800	7.20650	3.13050
5.880	.583	.30900	.08040	-.01830	3.83950	-.20260	-.17250	5.14900	2.02600	7.17510	3.12290
5.900	.600	.31360	.08160	-.01850	3.84240	-.21100	-.17710	5.16900	2.06880	7.23790	3.10020
5.890	.618	.31520	.08210	-.01880	3.83920	-.21580	-.18440	5.13760	2.03740	7.17510	3.10020
5.880	.641	.31380	.08280	-.01950	3.78810	-.21350	-.18050	5.18070	2.07290	7.25360	3.10770
5.890	.660	.31960	.08340	-.01990	3.82910	-.21850	-.18770	5.16860	2.04570	7.21440	3.12290
5.890	.682	.32270	.08490	-.02110	3.79810	-.22230	-.19030	5.19560	2.04230	7.23790	3.15320
5.880	.707	.32650	.08550	-.02040	3.81640	-.22380	-.19260	5.20440	2.10420	7.30860	3.10020
5.890	.729	.32910	.08740	-.02170	3.76220	-.22710	-.19660	5.19990	2.06940	7.26930	3.13050
5.870	.753	.33370	.08880	-.02330	3.75470	-.23300	-.20040	5.25810	2.08970	7.34790	3.16840
5.880	.781	.33860	.09130	-.02510	3.70650	-.23200	-.19880	5.25790	2.07420	7.33220	3.18360
5.860	.802	.34570	.09480	-.02690	3.64400	-.23560	-.20320	5.25860	2.11280	7.37140	3.14570
5.870	.822	.34910	.09820	-.02910	3.55340	-.23580	-.20480	5.25790	2.07420	7.33220	3.18360
5.850	.833	.34870	.09940	-.02960	3.50610	-.23760	-.20200	5.24990	2.05870	7.30860	3.19120
5.850	.838	.34710	.09960	-.03020	3.48350	-.23160	-.19830	5.27710	2.07070	7.34790	3.20630
5.850	.844	.34700	.10060	-.03000	3.44770	-.23450	-.19970	5.25400	2.07030	7.32430	3.18360
5.850	.853	.34410	.10220	-.02920	3.36470	-.23450	-.20170	5.26980	2.09370	7.36360	3.17600
5.840	.864	.34210	.10440	-.02760	3.27630	-.23480	-.20090	5.29620	2.05950	7.35570	3.23670
5.840	.874	.34050	.10690	-.02840	3.18700	-.23440	-.20000	5.28090	2.06690	7.34790	3.21390
5.860	.883	.33970	.10860	-.02800	3.12730	-.23310	-.20110	5.29240	2.06330	7.35570	3.22910
5.860	.892	.33790	.11040	-.02890	3.06030	-.23460	-.20160	5.28060	2.05150	7.33220	3.22910
5.850	.902	.34040	.11410	-.03000	2.98220	-.23440	-.20490	5.29990	2.04800	7.34790	3.25180
5.860	.912	.34490	.11800	-.03390	2.92210	-.23950	-.21080	5.30030	2.07110	7.37140	3.22910
5.840	.923	.34870	.12350	-.03910	2.82170	-.24620	-.21860	5.30460	2.09820	7.40280	3.20630
5.840	.934	.35400	.12980	-.04320	2.72600	-.26220	-.23120	5.18810	2.05760	7.24580	3.13050
5.860	.947	.35940	.13650	-.04730	2.63330	-.27340	-.23660	5.07820	1.94770	7.02590	3.13050
5.850	.956	.36100	.14290	-.04800	2.52590	-.29340	-.25320	5.02770	1.92750	6.95520	3.10020
5.860	.969	.36120	.14880	-.04780	2.42670	-.30520	-.26170	4.97390	1.94200	6.91600	3.03190
5.850	.981	.35980	.15520	-.04530	2.31840	-.32500	-.28120	4.91880	1.87930	6.79820	3.03950
5.860	.992	.36020	.16010	-.04360	2.24920	-.33800	-.29530	4.89890	1.84420	6.74320	3.05470
5.850	1.002	.36090	.16500	-.04230	2.18650	-.35440	-.31280	4.87560	1.83610	6.71180	3.03950
5.850	1.011	.35930	.16800	-.04160	2.13850	-.36290	-.32490	4.91490	1.87540	6.79030	3.03950
5.870	1.022	.36180	.17100	-.04230	2.11550	-.37040	-.33380	4.88310	1.82080	6.70390	3.06220
5.850	1.032	.36670	.17380	-.04540	2.10900	-.37170	-.33980	4.88000	1.86320	6.74320	3.01670
5.850	1.038	.36980	.17530	-.04710	2.10910	-.37220	-.34350	4.91070	1.85600	6.76670	3.05470
5.850	1.046	.37160	.17750	-.05030	2.09380	-.37200	-.34540	4.84480	1.83560	6.68040	3.00920
5.850	1.055	.37320	.17890	-.05280	2.08510	-.36840	-.34190	4.86400	1.83200	6.69610	3.03190
5.850	1.062	.37420	.18030	-.05560	2.07480	-.36660	-.34150	4.83680	1.82000	6.65680	3.01670
5.840	1.070	.37090	.18160	-.05620	2.04270	-.36630	-.34230	4.81360	1.81960	6.63330	2.99400

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPOBRK =	25.000	GRITNO =	120.000
RCSPOS =	.000	BETA =	-2.000
BOFLAP =	.000	RUDDER =	.000

RUN NO. 40/ 0 RN/L = 5.55

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
5.840	1.077	.36620	.18300	-.05460	2.00080	-.36630	-.34390	4.81380	1.82730	6.64110	2.98640
5.860	1.083	.36640	.18400	-.05540	1.99040	-.36650	-.34630	4.79850	1.83480	6.63330	2.96360
5.840	1.090	.36650	.18470	-.05570	1.98400	-.36380	-.35040	4.78330	1.84990	6.63330	2.93330

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD204)

PARAMETRIC DATA

ELEVON = 5.000 AILRON = 2.000
 SPDRK = 25.000 URITNO = 120.000
 RCSPOS = .000 BETA = -2.000
 BDCLAP = .000 RUDDER = .000

RUN NO. 41/ 0 RN/L = 5.41

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
12.980	.500	.64710	.15170	-.01700	4.26380	-.18320	-.14380	5.00830	1.97730	6.98660	3.03190
12.980	.508	.63960	.14940	-.01750	4.27920	-.18220	-.14580	5.03950	1.93530	6.97090	3.10020
12.990	.517	.65160	.15300	-.01800	4.25900	-.19580	-.15300	5.01210	1.91950	6.93170	3.09260
12.990	.531	.65250	.15360	-.01950	4.24580	-.19480	-.15480	4.98940	1.94220	6.93170	3.04710
13.010	.545	.65650	.15630	-.01800	4.20000	-.19500	-.15710	5.04370	1.95860	7.00230	3.08500
13.010	.563	.66060	.15750	-.02030	4.19220	-.19540	-.15750	4.99780	1.98100	6.97880	3.01670
13.010	.579	.66760	.16100	-.02140	4.14550	-.19660	-.16250	4.98320	1.93850	6.93170	3.05470
12.990	.595	.67870	.16650	-.02480	4.07500	-.21300	-.17310	5.00130	1.96170	6.96310	3.03950
13.010	.617	.67880	.17150	-.02490	3.99670	-.21100	-.17180	4.97470	1.98830	6.96310	2.98640
13.000	.638	.67850	.17590	-.02520	3.89950	-.21590	-.17770	4.91210	1.93320	6.84530	2.97880
12.990	.658	.67600	.18040	-.02570	3.74650	-.22210	-.18380	4.80000	1.90600	6.80600	2.99400
12.990	.681	.67580	.18600	-.02590	3.63340	-.22490	-.18600	4.69060	1.90180	6.78250	2.97880
12.980	.700	.67690	.19140	-.02660	3.53480	-.23830	-.19650	4.60600	1.85900	6.71950	3.00160
12.950	.725	.67330	.19510	-.02720	3.45080	-.24150	-.20020	4.62590	1.86220	6.68820	2.96360
12.970	.750	.67150	.20090	-.02870	3.34210	-.24730	-.20370	4.61850	1.87750	6.69510	2.94390
12.960	.774	.66790	.20610	-.02800	3.24040	-.25290	-.21180	4.62190	1.85080	6.67250	2.97120
12.940	.798	.66540	.21140	-.02990	3.14770	-.25610	-.21600	4.77640	1.89610	6.67250	2.88020
12.960	.819	.66160	.21530	-.03190	3.07280	-.25520	-.21380	4.74920	1.88400	6.63330	2.86510
12.950	.829	.66020	.21680	-.03370	3.04480	-.25470	-.21700	4.77330	1.93850	6.71180	2.83470
12.930	.835	.65800	.21740	-.03430	3.02570	-.25730	-.21610	4.72940	1.85670	6.58610	2.87260
12.930	.844	.65620	.21940	-.03470	2.99000	-.25630	-.21920	4.71480	1.90270	6.61750	2.81200
12.930	.853	.65600	.22180	-.03640	2.95740	-.25850	-.22090	4.69820	1.84070	6.53900	2.85750
12.920	.863	.65530	.22290	-.03760	2.93960	-.25550	-.22420	4.67550	1.86350	6.53900	2.81200
12.920	.871	.65600	.22480	-.03960	2.91740	-.25670	-.22620	4.66390	1.85940	6.52330	2.80440
12.930	.880	.65850	.22810	-.04230	2.88650	-.25760	-.22840	4.67920	1.85200	6.53120	2.82710
12.930	.892	.65810	.23090	-.04430	2.85040	-.26080	-.22870	4.64520	1.89380	6.53900	2.75130
12.940	.902	.65980	.23490	-.04650	2.80820	-.26420	-.22970	4.58000	1.91970	6.49980	2.66030
12.930	.912	.66220	.23850	-.04900	2.77580	-.27170	-.23520	4.51460	1.93010	6.44480	2.58450
12.920	.921	.66650	.24390	-.05260	2.73260	-.28080	-.24200	4.46420	1.91770	6.38200	2.54850
12.940	.933	.67430	.25000	-.05410	2.69660	-.28500	-.23850	4.35920	1.86570	6.22498	2.49350
12.940	.944	.68430	.25470	-.05900	2.68620	-.29120	-.24220	4.24640	1.81350	6.06000	2.43280
12.920	.954	.69720	.26030	-.06650	2.67850	-.30070	-.24610	4.15340	1.78880	5.94220	2.36450
12.920	.964	.71180	.26790	-.07200	2.65620	-.31590	-.25680	4.09910	1.77240	5.87150	2.32660
12.920	.976	.71580	.27400	-.07510	2.61190	-.32880	-.27000	4.07510	1.72570	5.80080	2.34940
12.930	.990	.71970	.28190	-.07460	2.55250	-.35070	-.29670	4.03260	1.72110	5.75370	2.31140
12.910	1.000	.72100	.28480	-.07380	2.53090	-.36210	-.31020	4.05910	1.69450	5.75370	2.36450
12.920	1.010	.72210	.29010	-.07400	2.48900	-.37330	-.32710	3.99750	1.70120	5.69870	2.29630
12.900	1.021	.72160	.29410	-.07310	2.45290	-.38700	-.34370	3.98590	1.69710	5.68300	2.28870
12.910	1.032	.72320	.29820	-.07230	2.42490	-.39400	-.35670	4.00470	1.67040	5.67520	2.33420
12.890	1.040	.72750	.30180	-.07440	2.41000	-.40300	-.36920	3.96220	1.66580	5.62810	2.29630
12.900	1.050	.72870	.30450	-.07630	2.39260	-.40550	-.37800	3.97370	1.66220	5.63590	2.31140
12.890	1.062	.72520	.30500	-.07900	2.37780	-.40410	-.37610	3.88460	1.64130	5.52600	2.24320
12.900	1.073	.72280	.30630	-.08150	2.35960	-.40610	-.38200	3.86870	1.61790	5.48670	2.25080

TABULATED SOURCE DATA, LTV TEST 552, LA67

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LA67 (LTV 552) ORBITER 49-0

(SFD204)

PARAMETRIC DATA

ELEVON =	5.000	AILRON =	2.000
SPDRK =	25.000	GRITNO =	120.000
RCSPQS =	.000	BETA =	-2.000
BDFLAP =	.000	RUDDER =	.000

RUN NO. 417 0 RN/L = 5.41

ALPHA	MACH	CL	CD	CLM	L/D	CPC	CPB	ELEVON	AILRON	ELVN-L	ELVN-R
12.880	1.082	.71970	.30680	-.08280	2.34560	-.41080	-.38890	3.88850	1.64530	5.53380	2.24320
12.900	1.092	.71780	.30720	-.08240	2.33630	-.40830	-.38730	3.87670	1.63350	5.51030	2.24320